ORDER NO. VSD9109M615

Service Manual

Panasonic S-VHS VHS PAL 625 Hi-Fi
Professional/Industrial Video

Editing Video Cassette Recorder
AG-7350-E -B

Editing Video Cassette Player
AG-7150-E -B

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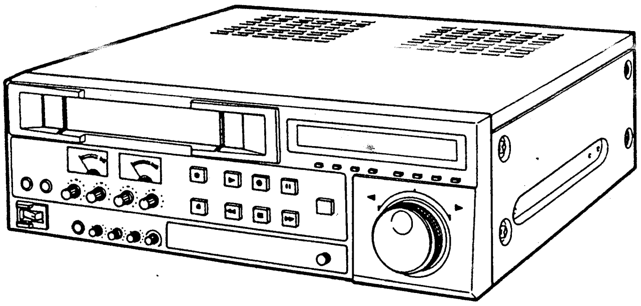
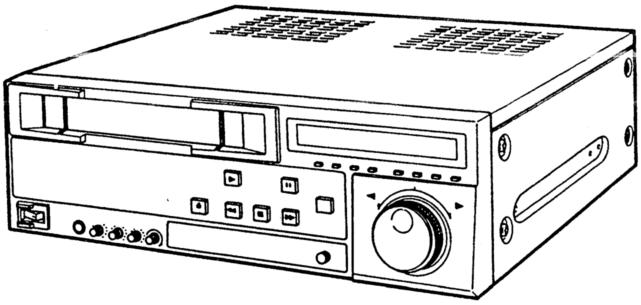


AG-7350



AG-7150

Panasonic

SPECIFICATIONS AG-7350 [AG-7150]

ITEM	SPECIFICATION
Power	Source: AC 120~240V, 50~60Hz Consumption: Approx. 50W [Approx. 44W]
Television Format	CCIR standard (625 lines, 50 fields) PAL colour signal, moditied SECAM colour signal 4.43MHz modified NTSC colour signal
Tape Speed	23.39mm/s (PAL, modified SECAM), 33.35mm/s (Modified NTSC)
Tape Format	SVHS tape, VHS tape
FF/REW Time	Approx. 2min. with NV-E180
Video	Head: 4 rotary heads, 2 head-helical scanning system 49µm (NOR) × 2, 35µm (SS) × 2 1 flying (rotary) erase head 97µm × 2 (AG-7350)
	Luminance: FM azimuth recording
	Color signal: Converted subcarrier phase shift recording
	Input level: LINE IN (BNC): (AG-7350 only) 1.0Vp-p, 75Ω unbalanced S-VIDEO IN (4P): (AG-7350 only) Y; 1.0Vp-p, 75Ω unbalanced C; 0.286Vp-p, burst level 75Ω unbalanced EXT. SYNC (BNC): 4.0Vp-p, (negative pulse) 75Ω unbalanced
	Output level: LINE OUT (BNC): 1.0Vp-p 75Ω, unbalanced × 2 S-VIDEO OUT (4P): Y; 1.0Vp-p 75Ω, unbalanced C; 0.286Vp-p, burst level 75Ω unbalanced
	Signal-to-Noise Ratio (VHS): B/W; 45dB Color, 45dB
	Horizontal Resolution: B/W; more than 400 lines (S-VHS), 300 lines (VHS) Color; more than 400 lines (S-VHS), 240 lines (VHS)
TIME Code (CH2)	Input level (PHONO): 1.0Vp-p, 10kΩ unbalanced (AG-7350) Output level (PHONO): 2.4Vp-p, low impedance unbalanced

ITEM	SPECIFICATION
Audio	Head: Normal Audio/Control: 1 stationary head Hi-Fi Audio: 2 rotary heads; 36µm × 2 Erase: 1 full track erase 1 Audio track erase
	Track: 4 tracks (Normal: 2 tracks, Hi-Fi: 2 tracks)
	Input level: LINE IN Hi-Fi (PHONO): −8dBv, 47kΩ unbalanced × 2 (AG-7350 only) LINE IN NORMAL/Hi-Fi (PHONO): −8dBv, 47kΩ unbalanced × 2 (AG-7350 only) MIC IN (1/4"): −60dBv, 4.7kΩ unbalanced × 2 (AG-7350 only)
	Output level: LINE OUT Hi-Fi (PHONO): −8dBv, 600Ω unbalanced × 2 LINE OUT NORMAL/Hi-Fi (PHONO): −8dBv, 600Ω unbalanced × 2 HEADPHONES (1/4"): −60dBv~−20dBv, 8Ω unbalanced MONITOR OUT (PHONO): 0dBv, 600Ω unbalanced
	Frequency Response: Normal: 50Hz~12kHz Hi-Fi: 20Hz~20kHz
	Hi-Fi Dynamic Range: more than 90dB
	Signal-to Noise Ratio: better than 48dB (Normal) (with Dolby NR switch ON)
Operating Condition	Temperature; 5°C~40°C (during operation) Humidity; 35%~80%
Dimensions	424mm (W) × 131.5mm (H) × 424mm (D)
Weight	Approx. 11kg [Approx. 10.8kg]
Standard Accessories	34P Interface Adaptor (Mounted on the unit) Power Cord S-VHS cable (4P)
Optional Accessories	RS-232C Interface Adaptor (AG-IA232TC) Remoto Controller (AG-A600) 4P S-VIDEO Cable (AG-C71A, AG-C70A) Rack Mount Adaptor (AG-M730)

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

INTRODUCTION

This Service Manual contains all the technical information which allow service personnel to understand and service the Panasonic SVHS Cassette recorder model AG-7350-E/B, video cassette player model AG-7150-E/B.

These models are developed for applications in industry and educational establishments and in addition, it has an optional accessory RS-232C interface is a capable of satellite communication. By the use SVHS system, a sharp picture quality with high resolution is obtained, and advanced editing by easy operation is realized by the introduction of high reliability mechanism.

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SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads connectors, control shafts,etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1M ohm and 5.2 M ohm.
   When the exposed metal does not have a return path to the chassis, the reading must be ∞.

LEAKAGE CURRENT HOT CHECK

(See Figure 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5k ohm, 10 watts resistor, in parallel with a 0.15uF capacitor, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

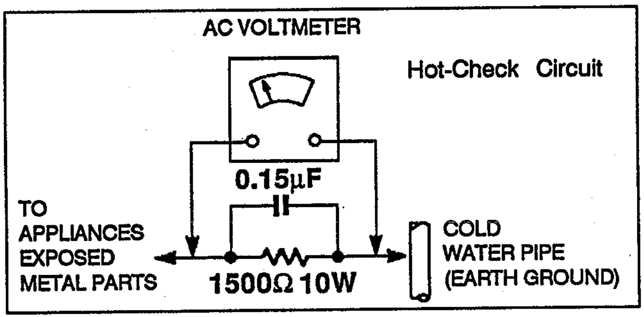
AC VOLTMETER
Hot-Check Circuit
0.15µF
TO APPLIANCES EXPOSED METAL PARTS
1500Ω 10W
COLD WATER PIPE (EARTH GROUND)

Figure 1

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as anti-static can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package untilimmediately before you are ready to install it. (Most replacementES devices are packaged with leads eletcrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all otner asfety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

Section 1

OPERATING INSTRUCTIONS

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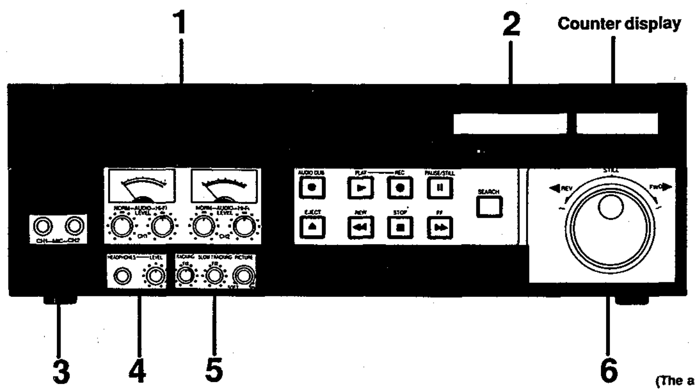
1-1. Front Panel Parts



(The above illustration is AG-7350.)

1 Level control area (AG-7350 only)

Audio (CH1) level meter	Displays CH1 audio level.
Audio (CH2) level meter	Displays CH2 audio level or tracking level.
Audio (CH1) NORMAL LEVEL control	Adjusts recording level for normal audio CH1.
Audio (CH1) Hi-Fi LEVEL control	Adjusts recording level for Hi-Fi audio CH1.
Audio (CH2) NORMAL LEVEL control	Adjusts recording level for normal audio CH2.
Audio (CH2) Hi-Fi LEVEL control	Adjusts recording level for Hi-Fi audio CH2.

2 Function display lamp area

Cassette "IN" lamp (oo)	Lights when a cassette is inserted.
S-VHS lamp (SVHS)	Lights in S-VHS mode.
Hi-Fi lamp	Lights when Hi-Fi sound is recorded or played back.
DOLBY* NR lamp	Lights when Dolby NR system is used.
SENSOR lamp (AG-7350 only)	Lights when SENSOR REC switch is ON. Flashes when no tape is inserted or tape with broken removable tab is inserted with the SENSOR REC switch set to ON.
"6H" lamp	Lights when played back in 6H mode (EP).
One-time playback lamp (⊃)	Lights in one-time repeated playback mode.
Memory stop lamp (➔000)	Lights in counter (0:00:00) stop mode.
Continuous playback lamp (↻)	Lights in continuous repeated playback mode.

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* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
* "DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

3 Microphone area (AG-7350 only)

MIC jacks (CH1/CH2)	Connects 1/4" external microphone.

4 Headphone area

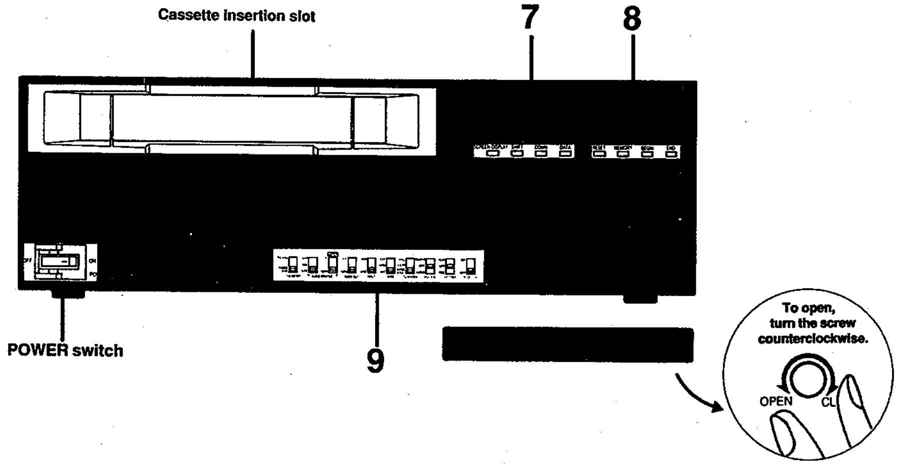
HEADPHONE jack	Connects 1/4" stereo headphones.
HEADPHONE LEVEL control	Adjusts headphones volume.

5 Picture adjusting area

TRACKING control	Adjusts tracking.
SLOW TRACKING control	Adjusts slow motion tracking.
PICTURE adjusting knob	Adjusts picture sharpness during playback.

6 Basic operation area

AUDIO DUB button (AG-7350 only)	Starts audio dubbing when used together with PLAY button during playback.
PLAY button	Starts playback.
REC button (AG-7350 only)	Starts recording when used together with PLAY button.
PAUSE/STILL button	Establishes still-picture mode during playback and pause mode during recording.
EJECT button	For ejecting the cassette.
REW button	Rewinds the tape.
STOP button	Stops all operations.
FF button	Fast forwards the tape.
SEARCH button	Executes and releases search.
Search/JOG dial	Adjusts search speed.



7 Menu setting area

SCREEN DISPLAY button	Displays initial setting menu on the screen.
SHIFT button	Changes the menu pages and shifts the flashing of the indicator rightward.
DOWN button	Shifts the flashing of the line indicator downward.
DATA button	Inputs the digit data and selects the data.

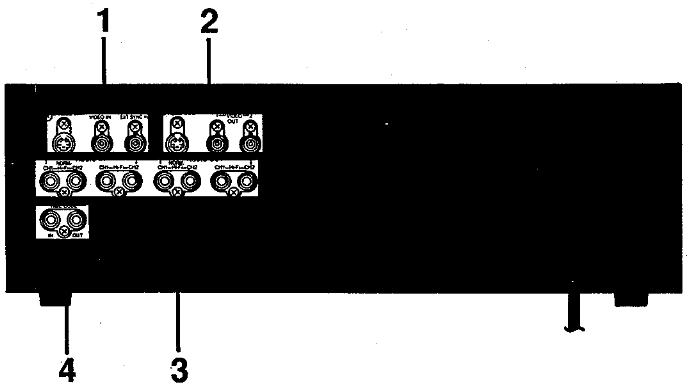
8 Function setting area

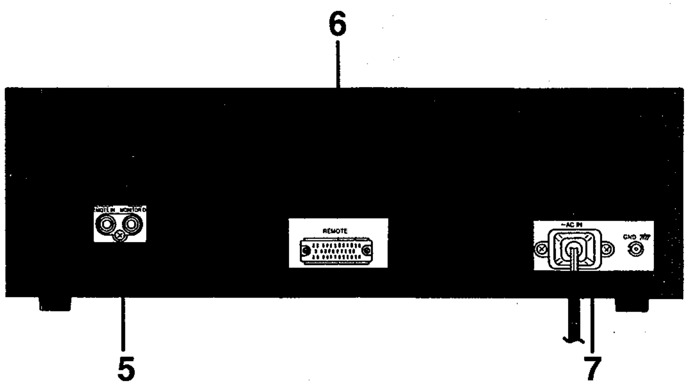
RESET button	Resets the tape counter.
MEMORY button	Sets the memory auto stop and selects the repeat mode.
BEGIN button	Sets the repeat beginning point.
END button	Sets the repeat ending point.

9 Function setting area

CH2 METER selector	Selects between Audio CH2 Level Meter and Tracking Meter for Audio (CH2) level meter.
AUDIO MONITOR meter selectors	Selects type of sound and channel to be monitored.
AUDIO OUT selector	Selects type of sound to be output from Audio Output Jacks.
INPUT signal selector (AG-7350 only)	Selects video input signal.
SYNC mode selector	Selects type of signal to be synchronized.
SENSOR REC selector (AG-7350 only)	Selects the mode to be recorded automatically.
EXT TIMER selector	Selects timer mode.
MODE LOCK selector	Inhibits function of the front panel buttons.
TV SYSTEM selector	Selects the 3 VHS system, PAL, CCIR and NTSC 4.43.

1-2. Rear Panel Parts





1 Video input signal area

S-VIDEO IN connector (AG-7350 only)	S-VIDEO signal input connector.
VIDEO IN connector (AG-7350 only)	Video signal input connector.
EXT SYNC IN connector	To synchronize with the external reference synchronizing signal.

2 Video output signal area

S-VIDEO OUT connector	S-VIDEO signal output connector.
VIDEO OUT (1, 2) connectors	Video signal output connectors.

3 Audio signal area

NORM/Hi-Fi audio input connectors	NORM/Hi-Fi audio (CH1/2) input connectors.
(AG-7350 only) **Hi-Fi audio input connectors**	Input connectors for Hi-Fi sound only.
(AG-7350 only) **NORM/Hi-Fi audio output connectors**	NORM/Hi-Fi audio (CH1/2) output connectors.
Hi-Fi audio output connectors	Output connectors for Hi-Fi sound only.

4 Time code signal area

TIME CODE IN connector (AG-7350 only)	Time Code signal input connector.
TIME CODE OUT connector	Time Code signal output connector.

5 Sensor remote recording/Monitor output area

SENSOR REMOTE connector (AG-7350 only)	Sensor remote signal recording connector.
AUDIO MONITOR OUT connector	Audio monitor signal output connector.

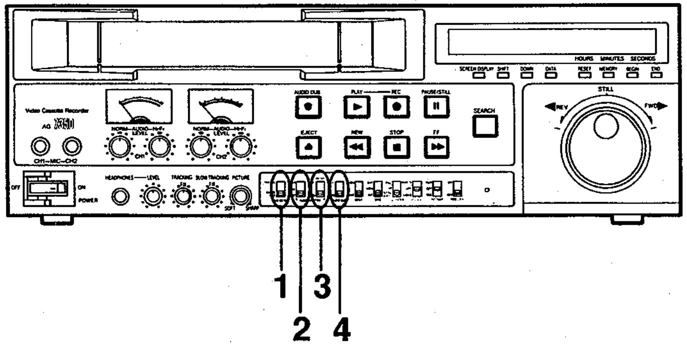
6 Remote signal area

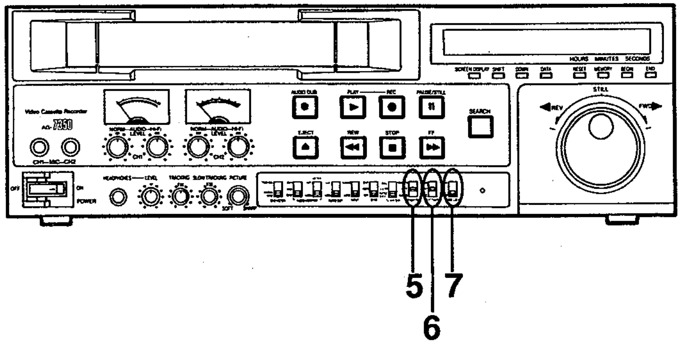
REMOTE connector	Connector for remote search controller (AG-A600).

7 Power supply circuit area

AC IN socket	Connected to AC 120-240V power outlet.
GND terminal	When connecting this unit to any other component, make absolutely sure that it is properly grounded by connecting this terminal.

1-3. Setting the Switches

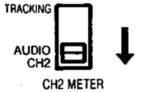




(The above illustration is AG-7350.)

1. CH2 METER Selector (AG-7350 only)

Used to adjust the audio (CH2) input level during recording. Set this selector to "AUDIO CH2" before making adjustment for the recording level of audio channel 2.



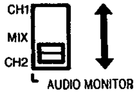
2. AUDIO MONITOR Selector

Used to select the audio channel which is to be heard on the TV monitor or headphones through the HEADPHONE Jack on the front panel or the AUDIO MONITOR OUT connector on the rear panel of the unit.

CH1: To monitor the audio signal from channel 1.

MIX: To monitor the mixed audio signals from channels 1 and 2 through the AUDIO MONITOR OUT connector or HEADPHONES Jack. When using headphones, audio channels 1 (left) and 2 (right) can be monitored separately.

CH2: To monitor the audio signal channel 2.

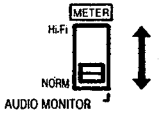


3. METER Selector (No LEVEL meter for AG-7150.)

Used to display the recording level of Hi-Fi audio or normal audio on the LEVEL meter and select the audio output signal from the HEADPHONES Jack on the front panel or the AUDIO MONITOR OUT connector on the rear panel.

Hi-Fi: Selects Hi-Fi audio.

NORM: Selects normal audio.

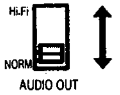


4. AUDIO OUT Selector

Used to select the audio output signal from the NORM/Hi-Fi audio output connectors on the rear panel.

Hi-Fi: Discriminates between Hi-Fi and normal audio automatically. When there is no Hi-Fi audio output signal, normal audio will be automatically outputted.

NORM: Normal audio is outputted.



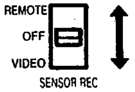
5. SENSOR REC Selector (AG-7350 only)

Used to select the mode to be recorded automatically.

REMOTE: To perform automatic recording of control signal from the connector at rear panel.

OFF: Normally, set this switch to this position.

VIDEO: To detect the video input signal from the VIDEO IN connector and record automatically.



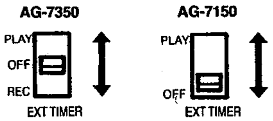
6. EXT TIMER Selector

Used to perform timer recording or playback.

PLAY: To perform timer playback with an external timer.

OFF: Normally, set this switch to this position.

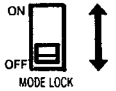
REC: To perform timer recording with an external timer.

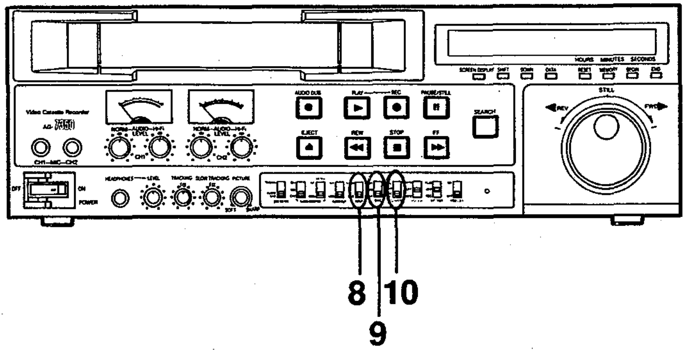


7. MODE LOCK Selector

ON: To operate the unit with a remote controller. When this switch is set to this position, the operation buttons on the front panel of the unit will be rendered inoperative.

OFF: When this switch is set to this position, the operation buttons on the front panel are operative and the unit can also be controlled with the remote controller.



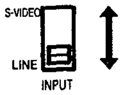


8. INPUT Signal Selector (AG-7350 only)

Used to select video input signal to be recorded.

S-VIDEO: To record video signal through the S-VIDEO IN Connector.

LINE: To record video signal through the VIDEO IN Connector.



9. SYNC Selector

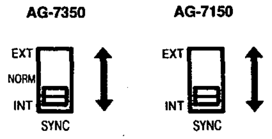
Select the synchronizing signal.

EXT: To synchronize to the external composite sync signal transmitted through the EXIT SYNC IN Connector during playback or recording.

NORM: To synchronize to the video input signal transmitted from the VIDEO IN Connector. (If there is no video input signal, the "INT" mode will be selected.)

INT: To synchronize to the internal oscillator built in this unit. (During recording, it will be automatically synchronized to the video input signal.)

- ■ When setting to "EXT", be sure to input an external composite sync signal.



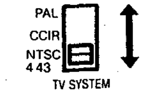
10. TV SYSTEM Selector

Used to select the 3 VHS system.

PAL: To playback or record by PAL system.

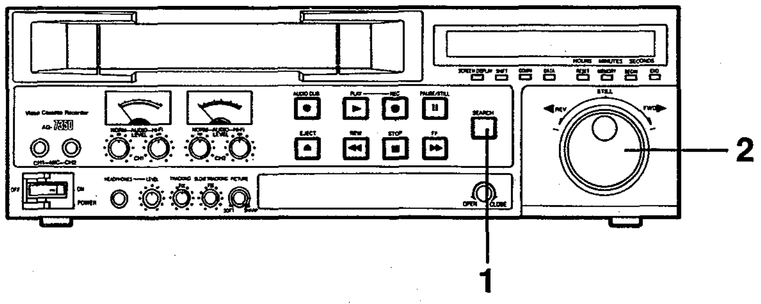
CCIR: To playback or record by CCIR system. (S-VHS recording can not be made.)

NTSC 4.43: To playback tapes recorded by NTSC system. (Recording cannot be performed.)



- ■ PAL and CCIR systems can not be distinguished automatically.
- ■ If REC and PLAY Buttons are pressed simultaneously when this selector is set to "NTSC 4.43", the unit will automatically go into playback mode.

1-4. Search Operations



1. Press the SEARCH Button.

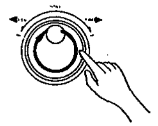
The SEARCH, PLAY and PAUSE/STILL Buttons' indicators will light up. Then the unit goes into the SEARCH standby mode.

2. Operate the SEARCH/JOG Dial.

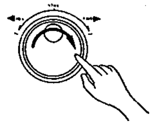
The inner part dial is JOG mode while the outer part dial is SHUTTLE mode.

- ■ When the SEARCH/JOG Dial is rotated clockwise, the tape will be played back in the forward direction (the FWD indicator appears). When it is rotated counterclockwise, the tape will be played back in the reverse direction (the REV indicator appears).

[1] JOG mode
In response to the speed at which the inner part dial is turned, the tape can be played back at a speed ranging from still picture to ±1x normal tape speed.
When the turning is stopped, a still picture is always produced.



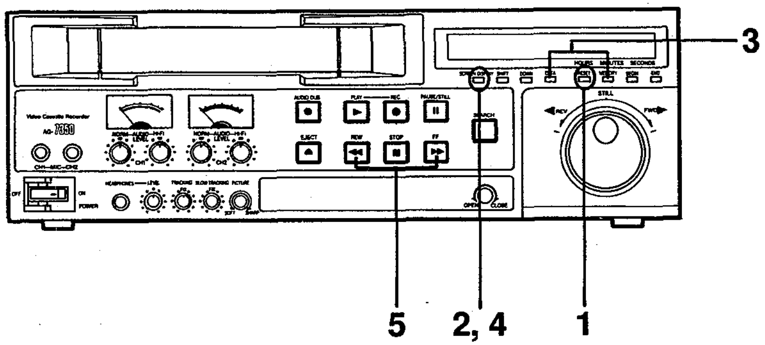
[2] SHUTTLE mode
When the outer part dial is rotated in the SHUTTLE mode, the tape speed will be changed depending on the position of the SEARCH/JOG Dial. The tape speed can be changed from 0 (ie, STILL playback) to 9 times the normal tape speed.
The still picture is obtained when the SEARCH/JOG Dial is set to the center fix position (click-stop).



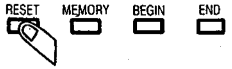
Note

- ■ Set the "DIRECT SEARCH" mode in the ON-SCREEN (initial setting) menu to "ON" to perform the direct search operation. (Refer pages 38 to 41.)

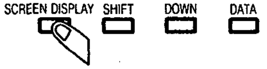
1-5. MEMORY STOP Functions



1. **Press the RESET Button at the point to be automatically stopped.**
   - The tape counter will be reset to "0:00:00".



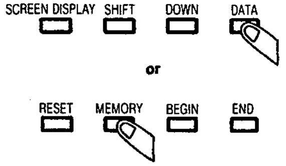
2. **Press the SCREEN DISPLAY Button.**
   - The ON-SCREEN menu will be displayed on the TV monitor.



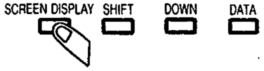
3. **Press the DATA or MEMORY Button.**
   - Select the "MEMORY STOP" mode.

MEMORY STOP
BGN+0 : 00 : 00
END+0 : 00 : 00

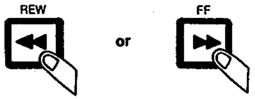
("→000" lamp lights up in the counter.)



4. **Press the SCREEN DISPLAY Button.**
   - The normal picture will appear.



5. **Press the FF or REW Button.**
   - When the FF or REW Button is pressed, the tape will be wound and then stopped automatically around the tape counter position "0:00:00".



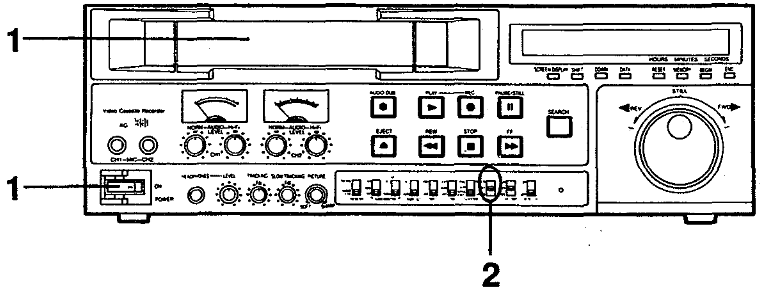
Notes

- MEMORY STOP function is also available by just pressing the MEMORY Button at the position except "0:00:00" after step 1 described above.
- When finished with this function, be sure to select "MEMORY OFF" in step 3 described above. ("→000" lamp goes off in the counter.)

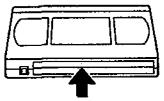
1-6. Sensor Recording (AG-7350 only)

Model AG-7150 is not equipped with recording function.

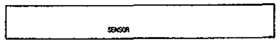
The unit allows to start recording automatically if a video input signal is supplied to the unit from an external source such as a satellite, etc.



1. **Turn on the unit and insert a video cassette.**
   Make sure that the erasure prevention tab on the video cassette is intact.



2. **Set the SENSOR REC Selector.**

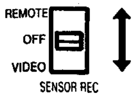


In case of "VIDEO" setting:

- The "SENSOR" indicator will appear on the tape counter and the unit will be set to the standby mode. When a video signal is inputted into the VIDEO IN Connector, the unit is turned on and set to the recording mode. When there is no more signal, the unit will go into the stop mode and, after a while, be set to the standby mode again.

In case of "REMOTE" setting:

- The "SENSOR" indicator will appear on the tape counter and the unit will be set to the standby mode. When a recording start signal is inputted into the SENSOR REMOTE Connector on the rear panel, the unit is turned on and set to the recording mode. When a recording end signal is inputted, the unit will go into the stop mode and, after a while, be set to the standby mode again.
- The tape position where the SENSOR recording started also becomes the beginning position of the REPEAT playback. Similarly, the tape position where the recording ended becomes the end position of the REPEAT playback, and the repeat mode is automatically set to "REPEAT CONTINUE".

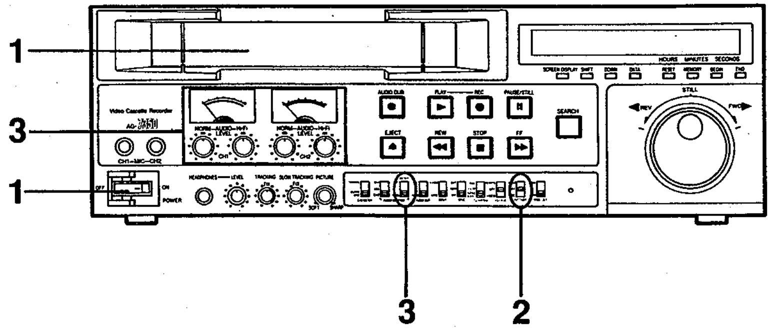


Notes

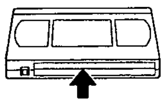
- The "SENSOR" indicator will blink if no video cassette or a video cassette with its erasure prevention tab broken off is inserted in the unit after the SENSOR REC Selector is set "VIDEO" or "REMOTE".
- When the tape reaches its end during the SENSOR recording, the unit is set to the stop mode and turned off.
- Any operation buttons are inoperative after the SENSOR REC Selector is set.

1-7. Timer Recording (AG-7350 only)

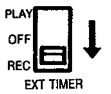
Model AG-7150 is not equipped with recording function.



1. **Turn on the unit and insert a video cassette.**
   - ■ Make sure that the erasure prevention tab on the video cassette is intact.



2. **Set the EXT TIMER Selector to "REC".**



3. **Adjust the audio recording level.**
   (Refer page 14.)

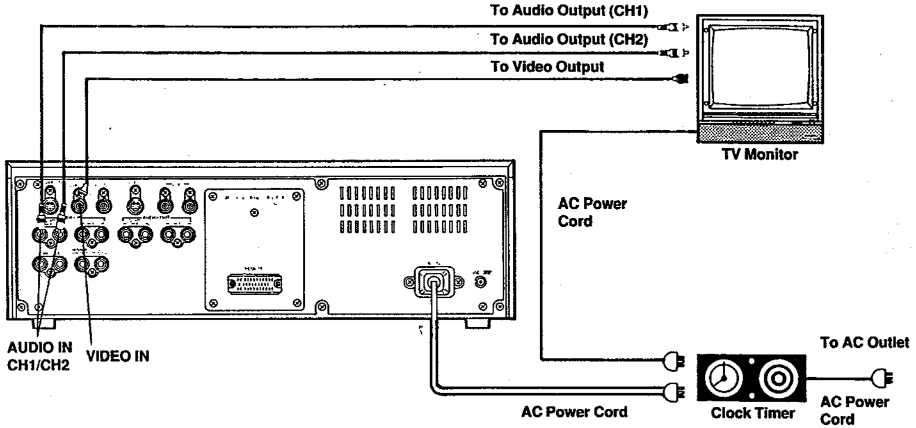
4. **Set the timer.**

   [1] Turn on the timer.

   [2] Set the timer to the desired ON and OFF time.
   - It may take about 1 minute to load the tape on the cylinder inside the unit when the preset ON time comes. Therefore, set the preset ON time at least about 1 minute ahead of the actual start time.
   - It is best to set the OFF time so that the unit is turned off about 10 minutes after the tape reaches its end. This will prevent the tape from damage.
     If, for example, NV-E180 tape is used for TIMER recording, the recording time should be preset for about 190 minutes.

■ Refer to the operating instructions of the timer you are using for details.

Connections



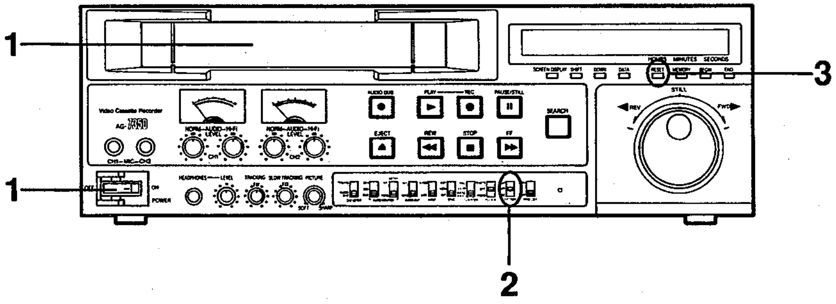
5. **When the preset time comes**
   At the preset time ON time, the unit will be turned on automatically to start TIMER recording. At the preset OFF time, the unit will be turned off, but the tape will remain loaded on the cylinder inside the unit.
   When the power is resumed, the unit will go into the stop mode and then into the TIMER recording mode.

6. **Press the STOP Button to stop TIMER recording halfway.**

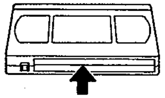
Notes

- ■ When the tape reaches its end, the unit will go into the mode set in the ON-SCREEN menu (TAPE END MENU).
- ■ If the power is turned off while the tape is moving during TIMER recording, the tape will remain loaded on the cylinder inside the unit. When the power is resumed, the unit will unload the tape from the cylinder. After a while, the unit goes into the stop mode and then the TIMER recording mode.

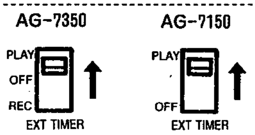
1-8. Timer Playback



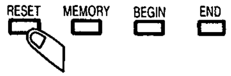
1. Turn on the unit and insert a recorded video cassette.



2. Set the EXT TIMER Selector to "PLAY".


AG-7350
PLAY
OFF
REC
EXT TIMER
AG-7150
PLAY
OFF
EXT TIMER

3. Press the RESET Button to reset the tape counter to "0:00:00".


RESET
MEMORY
BEGIN
END

4. Set the timer.

[1] Turn on the timer.

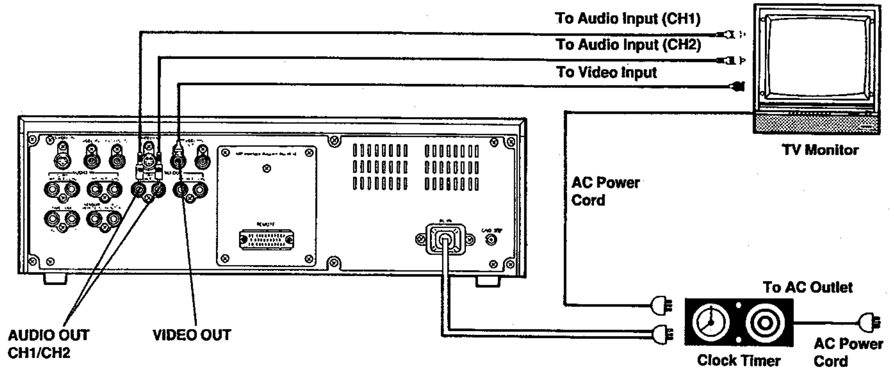
[2] Set the timer to the desired ON and OFF time.

- It is best to set the OFF time so that the unit is turned off about 10 minutes after the tape reaches its end. This will prevent the tape from damage. If, for example, NV-E180 tape is used for TIMER playback, the playback time should be preset for about 190 minutes.

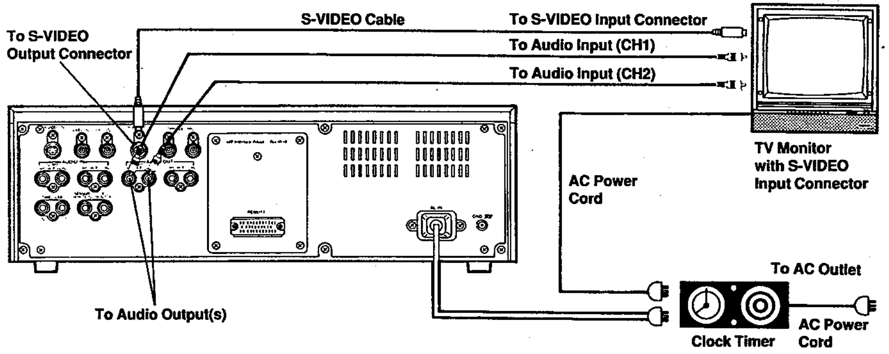
■ Refer to the operating instructions of the timer you are using for details.

Connections

- Connection with video and audio cables


To Audio Input (CH1)
To Audio Input (CH2)
To Video Input
TV Monitor
AC Power Cord
To AC Outlet
AUDIO OUT CH1/CH2
VIDEO OUT
Clock Timer
AC Power Cord

- Connection with S-VIDEO and audio cables


S-VIDEO Cable
To S-VIDEO Input Connector
To S-VIDEO Output Connector
To Audio Input (CH1)
To Audio Input (CH2)
TV Monitor with S-VIDEO Input Connector
AC Power Cord
To AC Outlet
To Audio Output(s)
Clock Timer
AC Power Cord

5. When preset time comes

At the preset ON time, the unit will be turned on automatically to start playback. At the preset OFF time, the unit will be turned off, but the tape will remain loaded on the cylinder inside the unit.

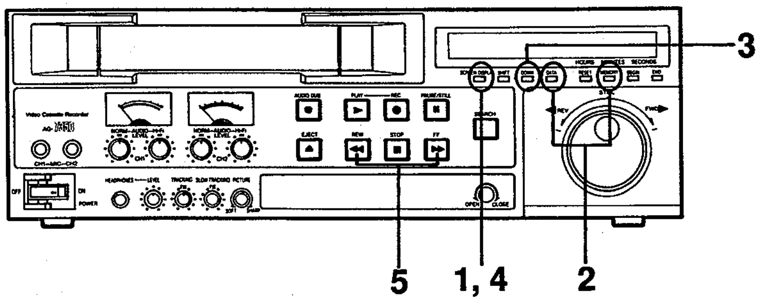
■ When the repeat function is set, the unit will rewind and then resume the repeat playback.

6. Press the STOP Button to stop TIMER playback halfway.

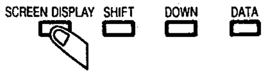
Notes

- ■ When the tape reaches its end, the unit will go into the mode set in the ON-SCREEN (initial setting) menu. However, during repeat mode, the tape will be automatically rewound.
- ■ If the power is turned off while the tape is moving during TIMER playback, the tape will remain loaded on the cylinder inside the unit. When the power is resumed, the unit will unload the tape from the cylinder. After a while, the unit goes into the stop mode and then the TIMER playback mode.

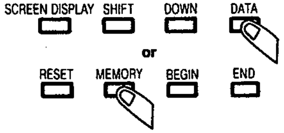
1-9. Repeat Playback



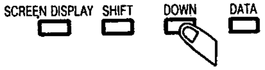
1. **Press the SCREEN DISPLAY Button.**
   - The ON-SCREEN menu will be displayed on the TV monitor.



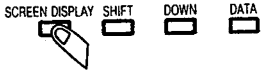
2. **Press the DATA or MEMORY Button.**
   - Select the repeating mode (one-time or continuous repeated playback mode).
     The " ⮒ " or " ↻ " mark will appear on the tape counter.



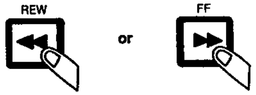
3. **Press the DOWN Button.**
   - Press the SHIFT and DATA Buttons to locate the beginning and end points of section you wish to perform REPEAT playback.



4. **Press the SCREEN DISPLAY Button.**
   - The normal screen will appear.



5. **Press the FF or REW Button.**
   - When the tape reaches the beginning BGN points, REPEAT playback will start automatically.

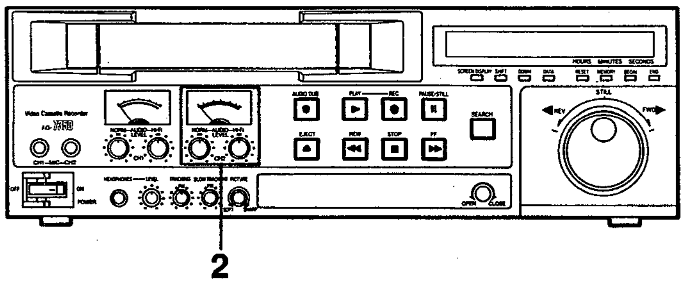


Notes

- When same data is input for BGN and END, repeat playback is performed from the tape beginning to the end.
- When the data for END has exceeded the tape end, repeat palyback is performed from the BGN position to the tape end.
- When the data for BGN is smaller than the tape beginning, repeat playback is performed from the tape beginning to the END position.

1-10. Time Code

The SMPTE time code signal recorded onto the tape by using a time code generator/reader permits absolute addressing (the identification of storage locations by actual addresses). The time code signal will be recorded on audio CH2 track.

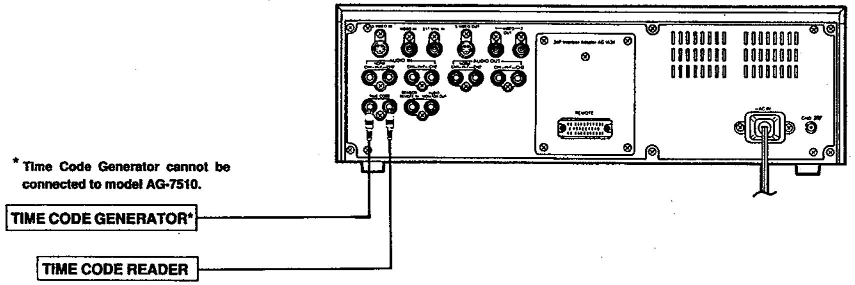


1. **Set the selectors.**

CH2 METER Selector → "CH2" (AG-7350 only) (Refer to page 11.)
AUDIO CH2
(ON-SCREEN) → "TIME CODE" (Refer to pages 38 to 40.)

2. **When the time code signal has been entered. (AG-7350 only)**
   - The AUDIO CH2 LEVEL meter indicates near 0.
   - Time code signals are recorded during recording and dubbing (including audio dubbing on channel 2).
     Refer to the operating instructions of the SMPTE time code generator/reader you are using for details.

Connections

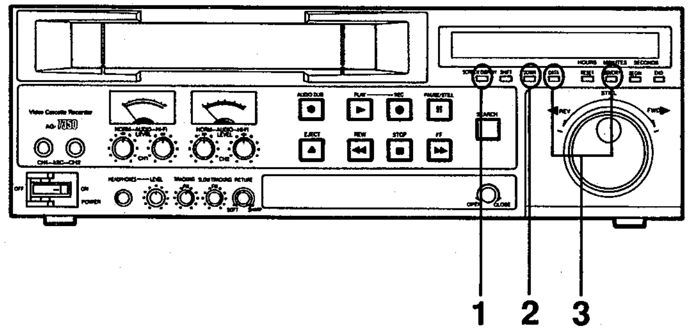


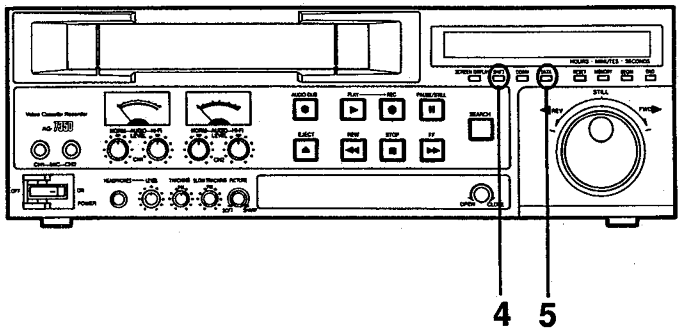
* Time Code Generator cannot be connected to model AG-7510.

Note

- The unit's tape counter does not count the time code signals, but the control (CTL) signals recorded onto the tape. Connect the time code generator/reader to the unit to read the addresses of the time code signal.

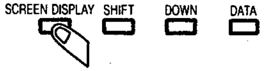
1-11. ON-SCREEN (Memory Setting)





1. Press the SCREEN DISPLAY Button.

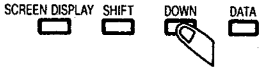
- The unit goes into the ON-SCREEN mode and the MEMORY setting menu will display on the screen.


SCREEN DISPLAY
SHIFT
DOWN
DATA

2. Press the DOWN Button.

- The "MEMORY" indication line will flash. Each time the DOWN Button is pressed, the flashing indication will be shifted to "BGN" → "END" → "MEMORY" line.

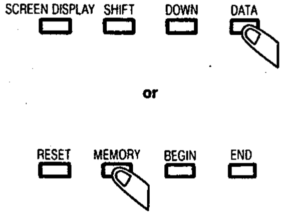
```
MEMORY OFF           MEMORY OFF           MEMORY OFF
BGN+0 : 00 : 00  →   BGN+0 : 00 : 00  →   BGN+0 : 00 : 00
END +0 : 00 : 00     END +0 : 00 : 00     END +0 : 00 : 00
```


SCREEN DISPLAY
SHIFT
DOWN
DATA

3. Press the DATA or MEMORY Button.

- Select the desired mode while the "MEMORY" indication line is highlighted.

```
MEMORY OFF
BGN+0 : 00 : 00
END +0 : 00 : 00
```


SCREEN DISPLAY
SHIFT
DOWN
DATA
or
RESET
MEMORY
BEGIN
END

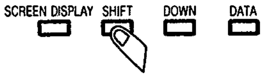
"MEMORY OFF" (No indication) → "MEMORY STOP" (➡000) → "REPEAT 1 TIME" (⊋) → "REPEAT CONTINUE" (⟲)

4. Press the SHIFT Button.

The digit to be set will move. The digit is flashing during selection of the desired numeric.

- This step is activated while "BGN" or "END" is highlighted.

```
MEMORY OFF           MEMORY OFF
BGN+0 : 00 : 00  →   BGN+0 : 00 : 00
END +0 : 00 : 00     END +0 : 00 : 00
```

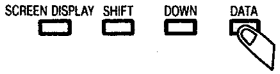

SCREEN DISPLAY
SHIFT
DOWN
DATA

5. Press the DATA Button.

Set the desired numeric and select "+" or "–".

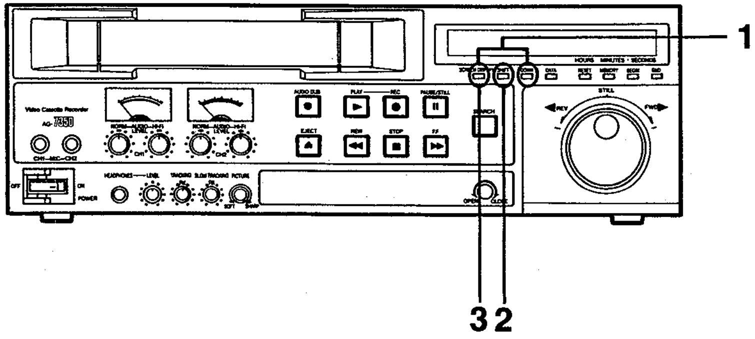
- This step is activated while "BGN" or "END" is highlighted.

```
MEMORY OFF           MEMORY OFF
BGN+0 : 00 : 00  →   BGN+0 : 10 : 00
END +0 : 00 : 00     END +0 : 00 : 00
```

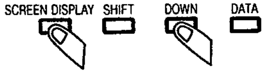

SCREEN DISPLAY
SHIFT
DOWN
DATA

Superimpose display	Description of function
MEMORY OFF	Counter memory is off.
MEMORY STOP	The tape stops at the counter position "0:00:00".
REPEAT 1TIME	Performs one-time REPEAT playback.
REPEAT CONTINUE	Performs continuous REPEAT playback.
BGN	Beginning point of REPEAT playback.
END	End point of REPEAT playback.

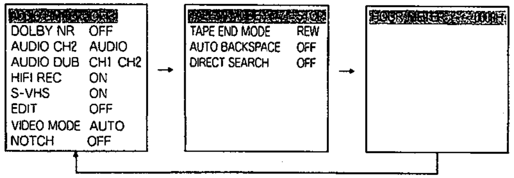
1-12. ON-SCREEN (Initial Setting)



1. **Press the DOWN and SCREEN DISPLAY Buttons together.**
   - The unit goes into the ON-SCREEN mode and the initial setting menu will display on the screen.


SCREEN DISPLAY
SHIFT
DOWN
DATA

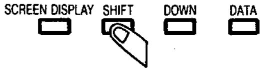
2. **Press the SHIFT Button.**
   - Each time the SHIFT Button is pressed, the screen will be changed as follows.



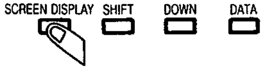
AUDIO LIMITER OFF
DOLBY NR OFF
AUDIO CH2 AUDIO
AUDIO DUB CH1 CH2
HIFI REC ON
S-VHS ON
EDIT OFF
VIDEO MODE AUTO
NOTCH OFF

[illegible]
TAPE END MODE REW
AUTO BACKSPACE OFF
DIRECT SEARCH OFF

[illegible]


SCREEN DISPLAY
SHIFT
DOWN
DATA

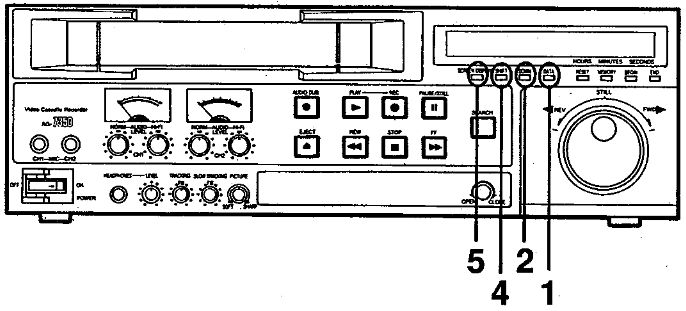
3. **Press the SCREEN DISPLAY Button after setting is finished.**
   - Normal screen will appear.


SCREEN DISPLAY
SHIFT
DOWN
DATA

Note

- If the SCREEN DISPLAY Button is pressed in the initial setting mode, the screen will return to normal.

- **How to set each initial setting item**



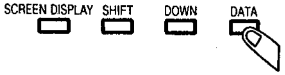
1. **Press the DATA Button.**
   - Select "ON" or "OFF"

AG-7350

AUDIO LIMITER	OFF
DOLBY NR	OFF
AUDIO CH2	AUDIO
AUDIO DUB	CH1.CH2
HIFI REC	ON
S-VHS	ON
EDIT	OFF
VIDEO MODE	AUTO
NOTCH	OFF

AG-7150

DOLBY NR	OFF
AUDIO CH2	AUDIO
EDIT	OFF
VIDEO MODE	AUTO


SCREEN DISPLAY
SHIFT
DOWN
DATA

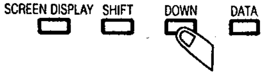
2. **Press the DOWN Button.**
   - The next item will flash.

AG-7350

AUDIO LIMITER	ON
DOLBY NR	OFF
AUDIO CH2	AUDIO
AUDIO DUB	CH1.CH2

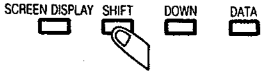
AG-7150

DOLBY NR	ON
AUDIO CH2	AUDIO
EDIT	OFF
VIDEO MODE	AUTO

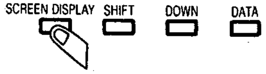

SCREEN DISPLAY
SHIFT
DOWN
DATA

3. **Repeat steps 1 and 2 to set each item to the desired mode.**

4. **Press the SHIFT Button to shift the screen to the next menu.**
   - Repeat steps 1 and 2 to set each item mode.


SCREEN DISPLAY
SHIFT
DOWN
DATA

5. **Press the SCREEN DISPLAY Button after setting is finished to return to the normal screen.**


SCREEN DISPLAY
SHIFT
DOWN
DATA

■ Contents of each initial setting item

DATA Button: To select operation mode
DOWN Button: To move to the next item
SHIFT Button: To shift to next menu screen

<table>
<tr><th>Superimpose</th><th>Description of function</th><th>Initial mode</th></tr>
<tr><td>AUDIO LIMITER
(AG-7350 only)</td><td>Sets the AUTO LIMITER function ON or OFF.
ON: Permits audio recording with less distortion at peak levels with the aid of the automatic volume control circuit. (This function is activated when normal audio recording is performed.)
OFF: Permits maximum dynamic range to be recorded, but the level must be set low enough so that peaks do not cause objectionable distortion.</td><td>OFF</td></tr>
<tr><td>DOLBY NR</td><td>Sets the DOLBY NR function ON or OFF.
ON: Dolby NR system is activated.
OFF: Dolby NR system is not activated.
■ DOLBY Noise Reduction System
<table>
<tr><th>PLAY / REC</th><th>ON</th><th>OFF</th></tr>
<tr><td>ON</td><td>Normal sound with less noise.</td><td>Treble is emphasized.</td></tr>
<tr><td>OFF</td><td>Treble is attenuated.</td><td>Normal sound</td></tr>
</table>
*DOLBY NR system is activated when normal audio is reproduced.</td><td>OFF</td></tr>
<tr><td>AUDIO CH2</td><td>Selects the signal to be recorded or played back on audio channel 2.
AUDIO: Audio signal is recorded/played back.
TIME CODE: Time code signal is recorded/played back. (Sound track of channel 2 will be muted.)</td><td>AUDIO</td></tr>
<tr><td>AUDIO DUB
(AG-7350 only)</td><td>Selects the audio track CH1 or CH2 for audio dubbing.
CH1: Audio is recorded on channel 1.
CH1, CH2: Audio is recorded on both channels 1 and 2.
CH2: Audio is recorded on channel 2.</td><td>CH1, CH2</td></tr>
<tr><td>HIFI REC
(AG-7350 only)</td><td>Sets the Hi-Fi audio recording.
ON: Hi-Fi audio is recorded.
OFF: Hi-Fi audio is not recorded.</td><td>ON</td></tr>
<tr><td>S-VHS
(AG-7350 only)</td><td>Sets the recording mode.
ON: Distinguishes between the VHS and S-VHS tapes and determines the recording mode.
OFF: VHS recording is performed.</td><td>ON</td></tr>
<tr><td>EDIT</td><td>Sets the editing mode.
ON: To edit or duplicate tapes (dubbing)
OFF: For normal operation</td><td>OFF</td></tr>
<tr><td>VIDEO MODE</td><td>Selects the colour mode of video input signal.
COLOUR: Forcibly colour mode
AUTO: Automatically distinguishes between black & white and colour video input signals.
Forcibly black & white mode</td><td>AUTO</td></tr>
<tr><td>NOTCH</td><td>Selects whether to reduce noise or not.
ON: When noise appears during composite input.
OFF: When noise do not appear during composite input.</td><td>OFF</td></tr>
</table>

DATA Button: To select operation mode
DOWN Button: To select to the next item
SHIFT Button: To shift to next menu screen

Superimpose	Description of function	Initial mode
TAPE IN MODE	Selects the VTR function mode after a video cassette is inserted. **STOP:** The unit goes into the STOP mode. **REW:** Rewinds the tape automatically. **PAUSE:** The unit goes into the PAUSE/STILL mode. **PLAY:** Playback will start automatically.	STOP
TAPE END MODE	Selects the VTR function mode when the tape reaches its end. **REW:** Rewinds the tape automatically. **STOP:** The unit goes into the STOP mode. **EJECT:** The video cassette will be ejected. **REW→EJECT:** Ejects the video cassette after rewinding the tape automatically.	REW
AUTO BACKSPACE (AG-7350 only)	Sets the Auto Backspace function ON and OFF. **ON:** The unit rewinds the tape for about 1 second and goes into the PAUSE mode when the REC Button is pressed during the PAUSE/STILL mode or the PAUSE/STILL Button is pressed during recording. Then when the PAUSE/STILL Button is pressed, the unit playbacks the tape for about a second and goes into the recording mode. **OFF:** For normal PAUSE/STILL operation	OFF
DIRECT SEARCH	Sets the Direct Search function ON and OFF. **ON:** Allows to operate the SEARCH Dial directly without having to press the SEARCH Button. **OFF:** For normal SEARCH operation	OFF
HOUR METER	Displays the total of the cylinder driving time.	0000H

1-13. Error Displays

The following error messages will be displayed on the tape counter if an abnormality occurs in the unit. In this case, follow instructions described below.

Error display	Problem	Remedy
d	Condensation (dew) forms inside the unit.	Wait until "d" goes out with the power on. (Refer to "In case of dew detection".)
E-2	Elevator Lock trouble	Contact your local dealer.
E-3	Loading Lock trouble	Contact your local dealer.
E-4	Cylinder Lock trouble	Contact your local dealer.
E-5	Reel Lock trouble	Contact your local dealer.
E-6	Tension trouble	Contact your local dealer.

Note

- If the error messages except the indication "d" are displayed, turn OFF the unit immediately and disconnect the power cord from the mains to prevent the unit from serious damage before contacting your authorized service personnel.

In case of dew detection

When condensation (dew, so-called sweating) forms inside the unit, the error message "d" will be displayed on the counter and all the operation buttons are made inoperative. Leave the unit on and let it remain at room temperature until "d" disappears. Depending on the surrounding condition, this may take several hours.

Cause of condensation

Condensation forms if warm air comes in contact with a cold object, for example on a window in a well-heated room in winter. It may form if the unit or the video cassette is exposed to sudden changes in temperature and humidity such as may occur when the unit or the video cassette is taken from a cold to a warm place. For instance:

- In a room where the heater has just been turned on in winter;
- In a room with steam or high humidity;
- If the unit or the cassette is brought from cold surroundings into a well-heated room.

Moisture condensation normally occurs gradually. Therefore, there may be cases in which the "d" indicator does not start flashing until 10 or 15 minutes after moisture has begun to condense. In particular, if the temperature or humidity in the room change, wait about 20 minutes before using the unit.

1-14. Troubleshooting

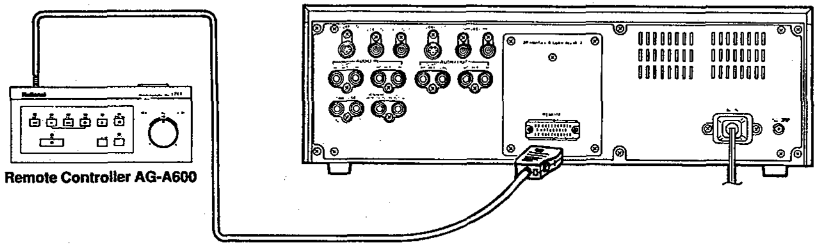
Before requesting service, check the following points once again. If the problem is not solved, contact your local dealer.

Problem	Check points	Page
Operation buttons are inoperative.	■ An error message is displayed on the tape counter. ■ The SENSOR REC Selector is set to "ON". (AG-7350 only) ■ The MODE LOCK Selector is set to "ON".	42 12, 21 12
Recording cannot be performed. (AG-7350 only)	■ The erasure prevention tab on the cassette's rear is broken off. ■ The INPUT Selector is not set correctly.	48 13
RECORD or PLAYBACK mode is engaged after the unit is turned on.	■ The EXT TIMER Selector is set to "ON". ■ The SENSOR REC Selector is set to "ON". (AG-7350 only)	12 12, 21
Playback picture has large amounts of "snow".	■ Video heads are clogged with dirt or abraded.	49
Noise interference in playback picture.	■ Adjust the TRACKING control.	16
Playback picture is not in colour.	■ The video input signal was originally black & white. ■ The "VIDEO MODE" in the ON-SCREEN (initial setting) menu is set to "B/W".	— 40
Counter does not work.	■ CTL (control) signals are not recorded onto the tape.	—
Playback picture is distorted.	■ Adjust horizontal hold control on the TV monitor. ■ Sudden voltage variations occurred during recording. ■ Tape is old and/or defective. ■ The SYNC Selector is not set correctly.	— — — 13

1-15.Controller (Option)

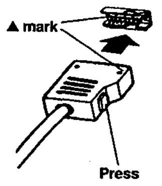
- **Remote Controller AG-A600**

Connection



The optional Remote Controller AG-A600 allows RECORD, PLAYBACK, FAST FORWARD, REWIND, PAUSE/STILL, VARIABLE SPEED PLAYBACK (0~9 times normal tape speed) in forward or reverse direction and STOP operations. Operation is possible with the unit's operation buttons even when the AG-A600 is connected to the unit.

Connection with the REMOTE Connector



Align the " ▲ " marks and connect it to the REMOTE Connector while keeping the cable connector button pressed.

1-16. Rack Mount Adaptor (Option)

The Rack Mount Adaptor AG-M730-E is used to mount the unit on the IEC standard rack.

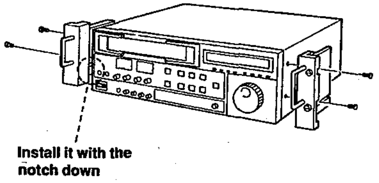
Installation of the AG-M730-E

1. Remove the 4 screws

from the side cabinet of the unit.

2. Use the 4 screws supplied

with the AG-M730-E to install it to the unit.



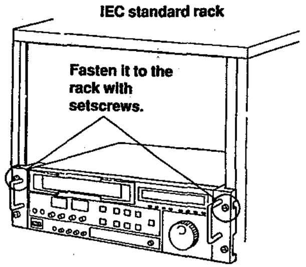
Mounting on the IEC standard rack

1. Remove the 4 rubber legs

from the bottom of the unit.

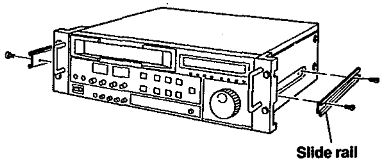
2. Mount the unit on the rack.

- Be sure to install a ventilation fan (air volume of about 3.3 m 2/sec.) on the top of the rack.

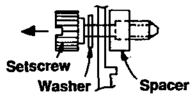


Installation of slide rails

- Use a complete slide rail and bracket unit for 18" length (part No. CC3004-99-0017) or 24" length (part No. CC3004-99-0018) of Chassis Track. (The complete slide rail and bracket unit is not available from Panasonic.)



- When using the slide rail, remove the setscrews. The setscrews can be removed by pulling in the direction of the arrow. Keep the removed setscrews, washers and spacers in a proper place.



- For the details, contact your authorized service personnel.

1-17. Connector Signals

S-VIDEO IN/OUT Connectors

Pin No.	Description of signal
1	Y GND
2	C GND
3	Y signal
4	C signal

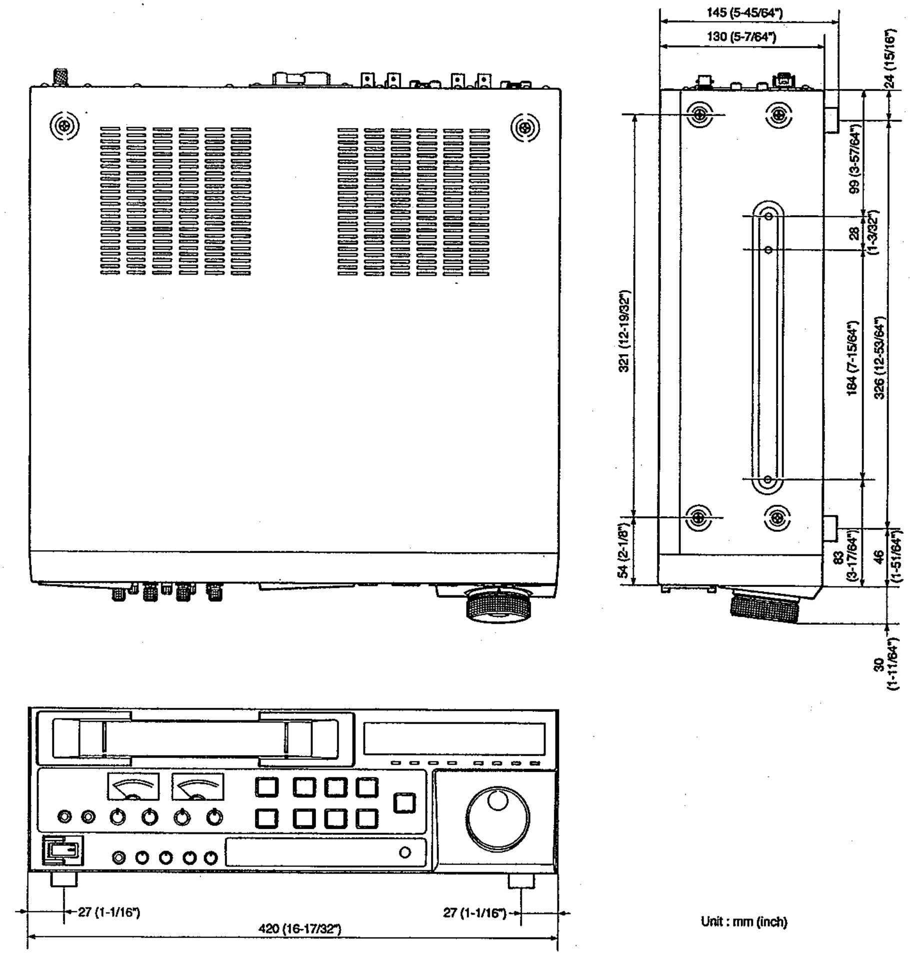
Model AG-7150 is not equipped with S-VIDEO IN Connector.

34P REMOTE Connector

Pin No.	Description of signal
1	REC SWITCH
2	PLAY SWITCH
3	FF SWITCH
4	REW SWITCH
5	STOP SWITCH
6	AUDIO DUB SWITCH
7	PAUSE SWITCH
8	CASSETTE IN
9	AUDIO DUB SWITCH
10	――――
11	――――
12	GND
13	FRAME ADV. SWITCH
14	REVERSE COUNT
15	――――
16	EDIT SWITCH
17	REVERSE
18	CONTROL PULSE OUT
19	REMOTE 19
20	START MARK
21	EJECT SWITCH
22	――――
23	REC HOLD
24	PLAY HOLD
25	FF HOLD
26	REW HOLD
27	――――
28	AUDIO DUB HOLD
29	PAUSE HOLD
30	REMOTE 30
31	AUDIO DUB HOLD
32	――――
33	REMOTE 33
34	+ 12 V

Pin No. 1, 6, 9, 23, 28 and 31 are not used for model AG-7150.

1-18. Dimensions


145 (5-45/64")
130 (5-7/64")
24 (15/16")
99 (3-57/64")
28 (1-3/32")
321 (12-19/32")
184 (7-15/64")
326 (12-53/64")
54 (2-1/8")
83 (3-17/64")
46 (1-51/64")
30 (1-11/64")
27 (1-1/16")
27 (1-1/16")
420 (16-17/32")
Unit : mm (inch)

Section 2

DISASSEMBLY PROCEDURES

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2-2. DETAILED DISASSEMBLY METHOD 2-3

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- 2-2-15. Removal of the Audio (1) C.B.A. and Audio (2) C.B.A. 2-6
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- 2-2-18. Removal of the Power Detection C.B.A. 2-7
- 2-2-19. Removal of the Reel Servo C.B.A. 2-7
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SCREWS 2-8

2–1. DISASSEMBLY FLOW CHART

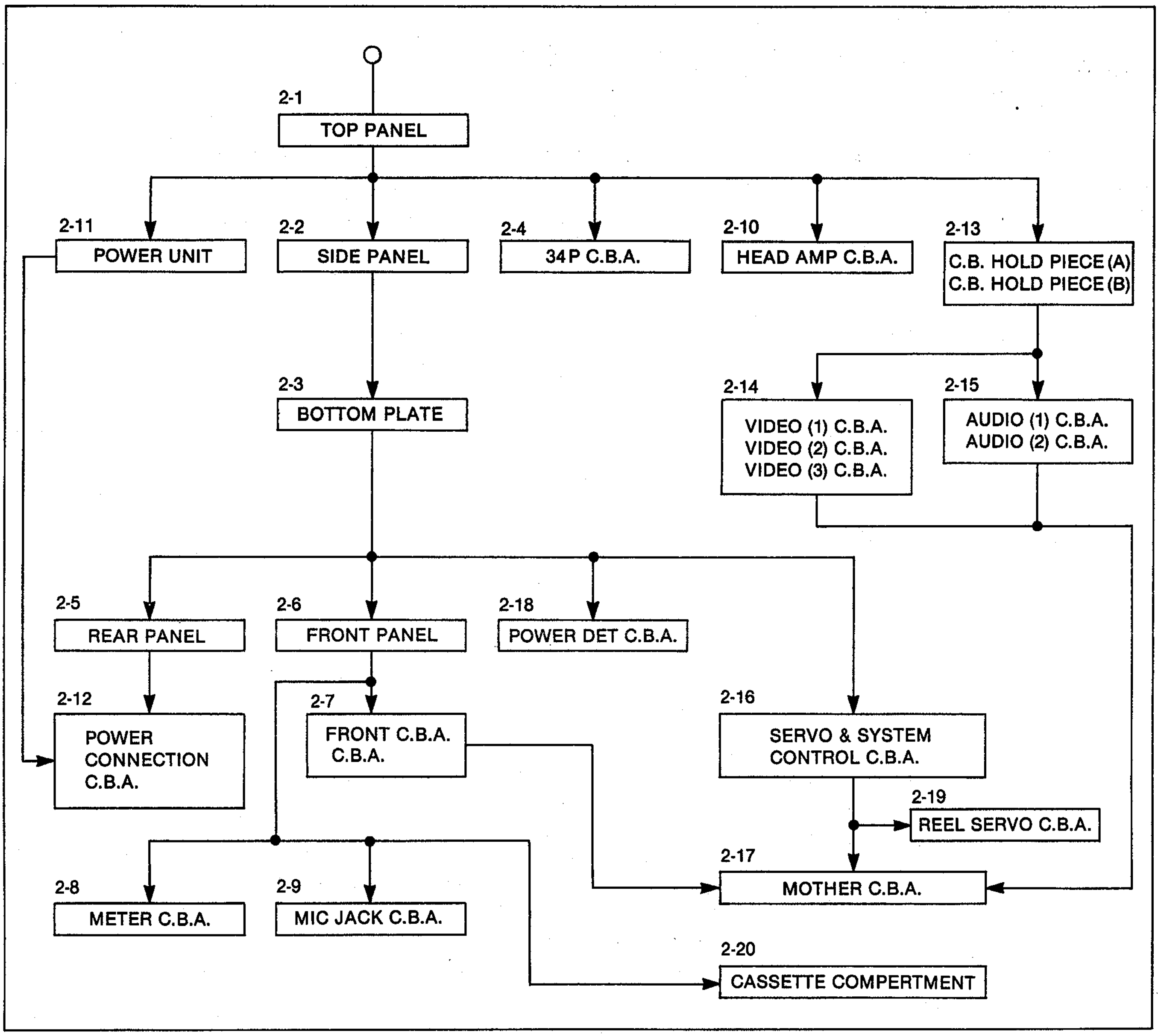

2-1
TOP PANEL
2-11
POWER UNIT
2-2
SIDE PANEL
2-4
34P C.B.A.
2-10
HEAD AMP C.B.A.
2-13
C.B. HOLD PIECE (A)
C.B. HOLD PIECE (B)
2-3
BOTTOM PLATE
2-14
VIDEO (1) C.B.A.
VIDEO (2) C.B.A.
VIDEO (3) C.B.A.
2-15
AUDIO (1) C.B.A.
AUDIO (2) C.B.A.
2-5
REAR PANEL
2-6
FRONT PANEL
2-18
POWER DET C.B.A.
2-12
POWER CONNECTION C.B.A.
2-7
FRONT C.B.A. C.B.A.
2-16
SERVO & SYSTEM CONTROL C.B.A.
2-19
REEL SERVO C.B.A.
2-17
MOTHER C.B.A.
2-8
METER C.B.A.
2-9
MIC JACK C.B.A.
2-20
CASSETTE COMPERTMENT

Figure D1

The above flow chart describes the order of steps for removing the cabinet parts and certain printed circuit boards in order to gain access to the items needing servicing. To reassemble the unit, follow the steps in reverse order.

2–2. DETAILED DISASSEMBLY METHOD

2–2–1. Removal of the Top Panel

1. Unscrew the 2 screws (A) on the Top Panel (Figure D2).
2. Careful lift the rear of the case and side it off the back of the unit.

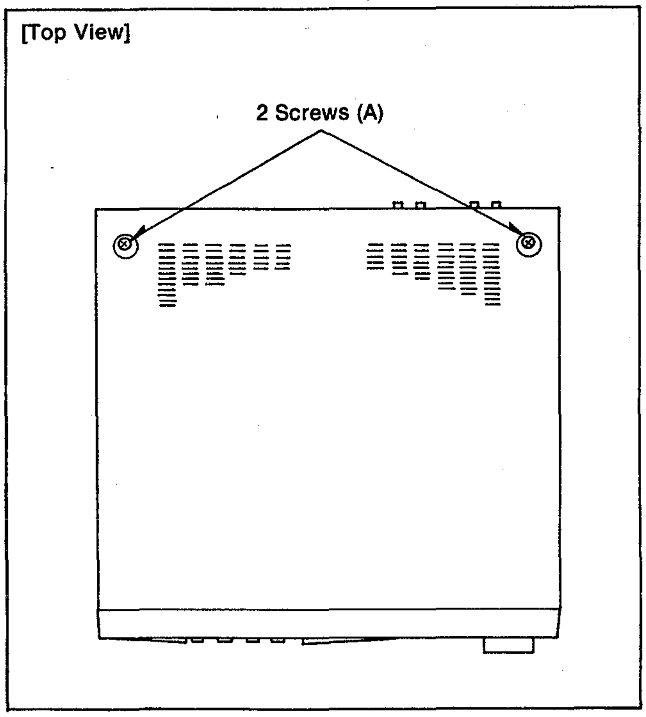

[Top View]
2 Screws (A)

Figure D2

2–2–2. Removal of the Side Panels

1. Unscrew the 8 screws (B) on the Side Panels (Figure D3).
2. Lift the Side Panels.

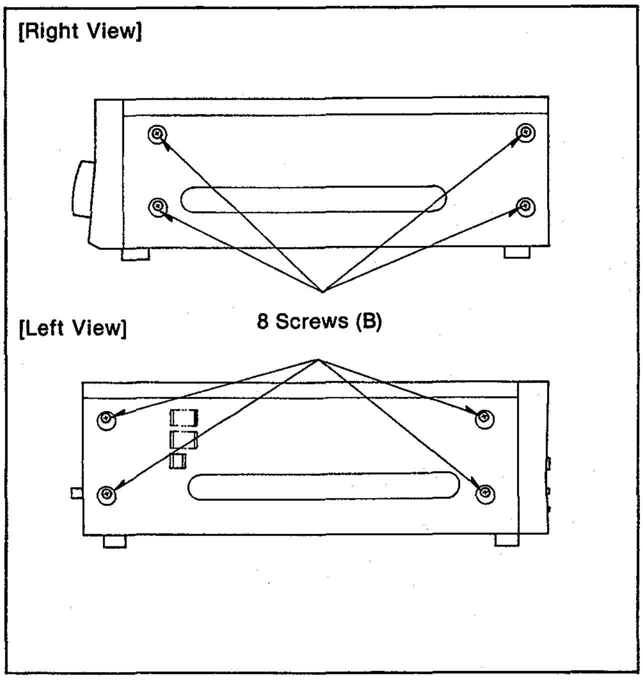

[Right View]
[Left View]
8 Screws (B)

Figure D3

2–2–3. Removal of the Bottom Plate

1. Unscrew the 9 screws (C) on the Bottom Plate (Figure D4).
2. Lift the Bottom Plate.

* Note : Do not remove the 4 rubber feet.

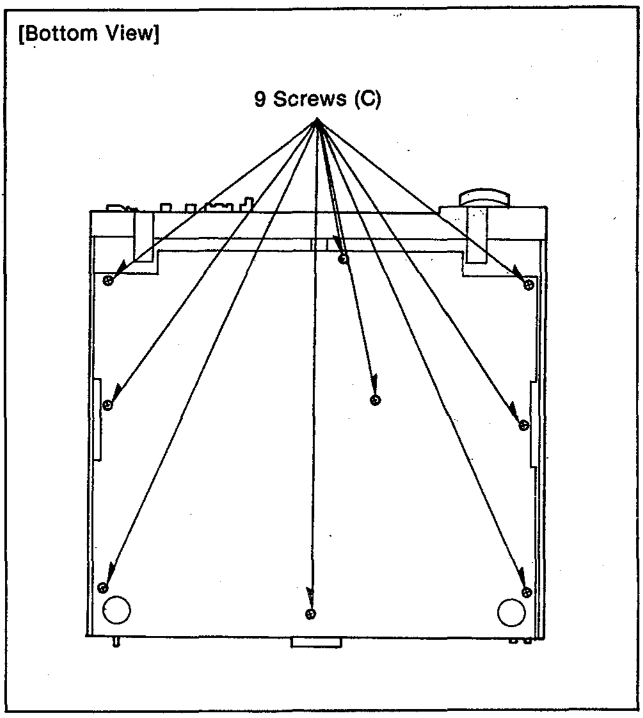

[Bottom View]
9 Screws (C)

Figure D4

2–2–4. Removal of the 34P C.B.A.

1. Unscrew the 4 screws (D) on the 34P C.B.A. (Figure D5).
2. Careful lift the 34P C.B.A.

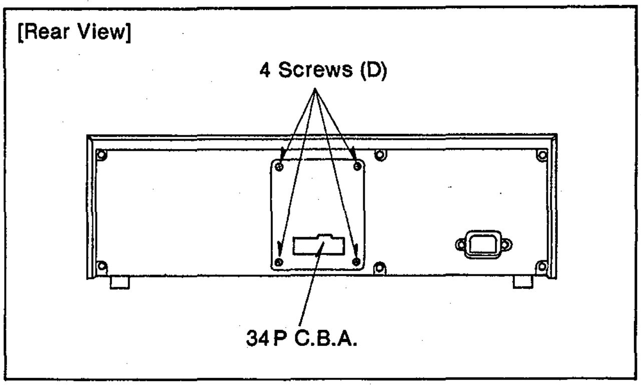

[Rear View]
4 Screws (D)
34P C.B.A.

Figure D5

2–2–5. Removal of the Rear Panel with Rear Jack C.B.A.

1. Unscrew the 8 screws (E) on the Rear Panel (Figure D6).
2. Lift the Rear Panel with Rear Jack C.B.A. and carefully pull the panel off the unit.

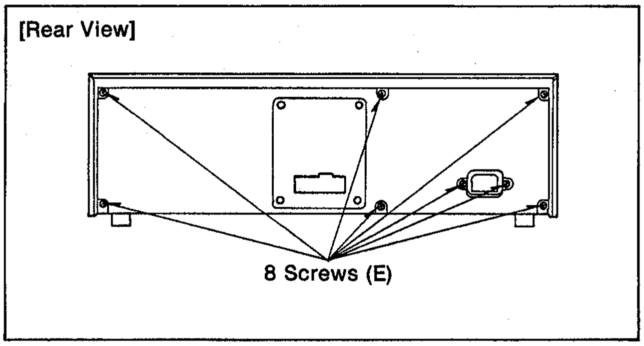

[Rear View]
8 Screws (E)

Figure D6

2–2–6. Removal of the Front Panel

1. Pull out the 4 knobs (F) on the Front Panel (Figure D7).
2. Pull out the Jog/Search Dial Knob on the Front Panel (Figure D7).

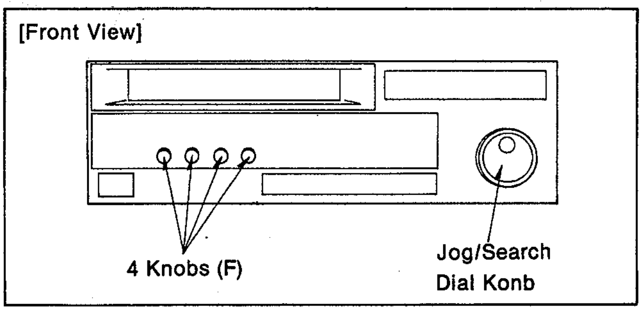

[Front View]
4 Knobs (F)
Jog/Search
Dial Konb

Figure D7

3. Unscrew the 3 screws (G) on the top of the Front Panel (Figure D8).
4. Unlock the 3 locking tabs (H) on the top of the Front Panel and the 2 locking tabs (I) on the bottom of the Front Panel (Figure D8 and Figure D9).

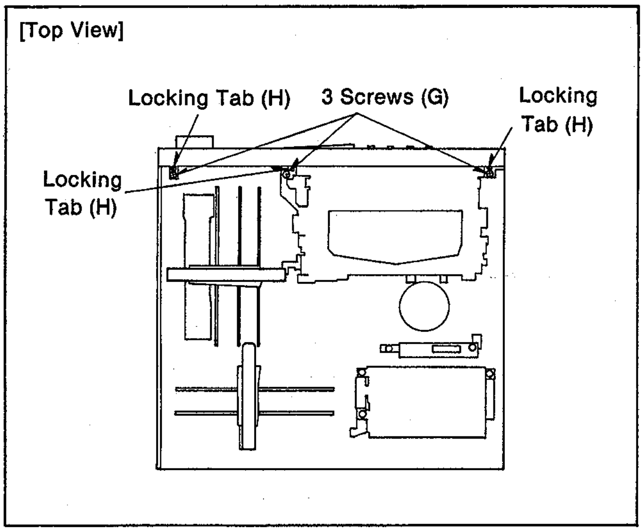

[Top View]
Locking Tab (H)
3 Screws (G)
Locking
Tab (H)
Locking
Tab (H)

Figure D8

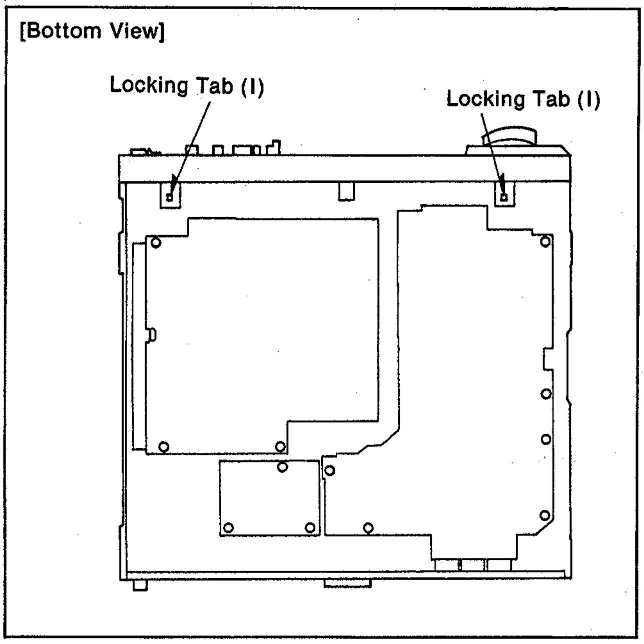

[Bottom View]
Locking Tab (I)
Locking Tab (I)

Figure D9

2–2–7. Removal of the Front C.B.A.

1. Unscrew the 4 screws (J) on the Search Dial Unit and pull out the connector P6207 (Figure D10).
2. Lift the Search Dial Unit.

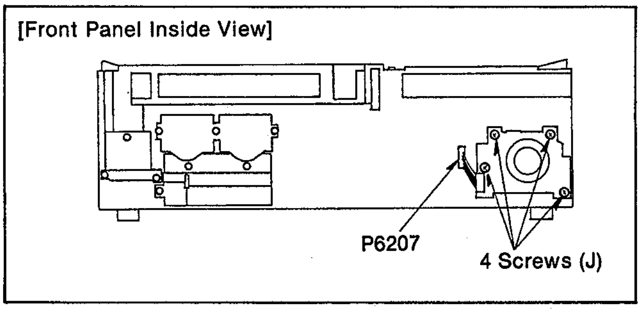

[Front Panel Inside View]
P6207
4 Screws (J)

Figure D10

3. Unscrew a screw (K) on the Front C.B.A. (Figure D11).
4. Unlock the 3 locking tabs (L) on the Front C.B.A. and carefully lift the Front C.B.A.(Figure D11).

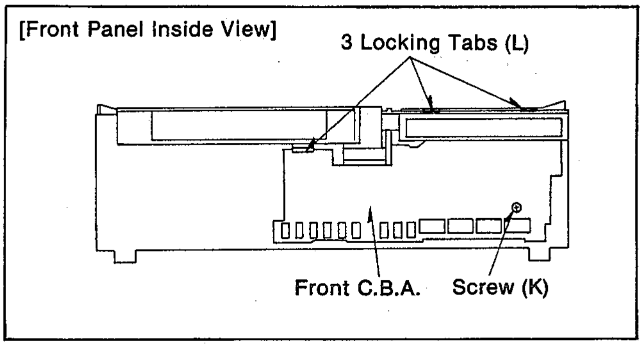

[Front Panel Inside View]
3 Locking Tabs (L)
Front C.B.A.
Screw (K)

Figure D11

2-2-8. Removal of the Audio Meter Unit

1. Unscrew the 6 screws (M) on the Audio Meter Unit (Figure D12).
2. Lift the Audio Meter Unit.

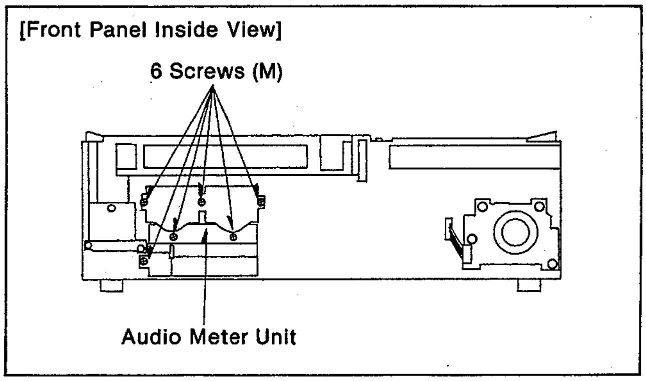

[Front Panel Inside View]
6 Screws (M)
Audio Meter Unit

Figure D12

2-2-9. Removal of the Mic Jack Unit

1. Unscrew the 3 screws (N) on the Mic Jack Unit (Figure D13).
2. Lift the Mic Jack Unit.

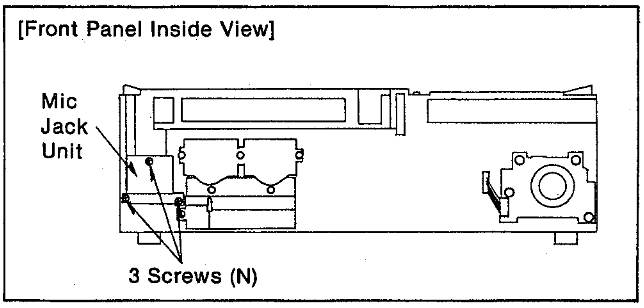

[Front Panel Inside View]
Mic Jack Unit
3 Screws (N)

Figure D13

2-2-10. Removal of the Head Amp C.B.A.

1. Unscrew the 2 screws (O) on the Head Amp C.B.A. (Figure D14).
2. Pull out the Head Amp C.B.A.

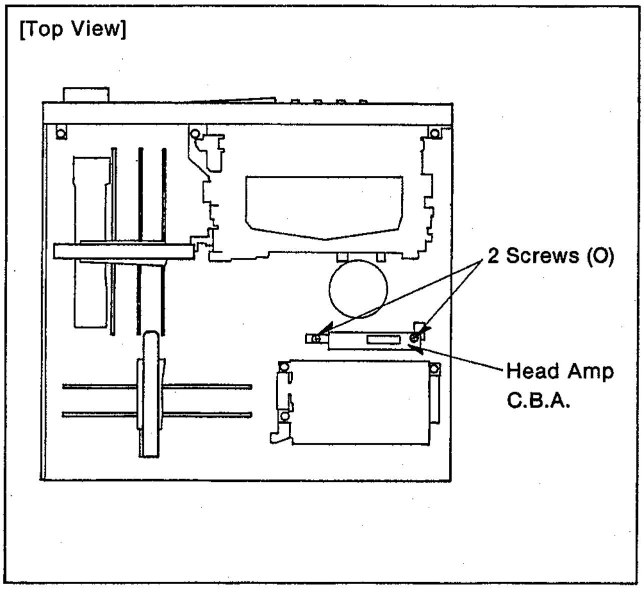

[Top View]
2 Screws (O)
Head Amp C.B.A.

Figure D14

2-2-11. Removal of the Power Unit

1. Unscrew the 3 screws (P) on the Power Unit (Figure D15).
2. Pull out the Power Unit.

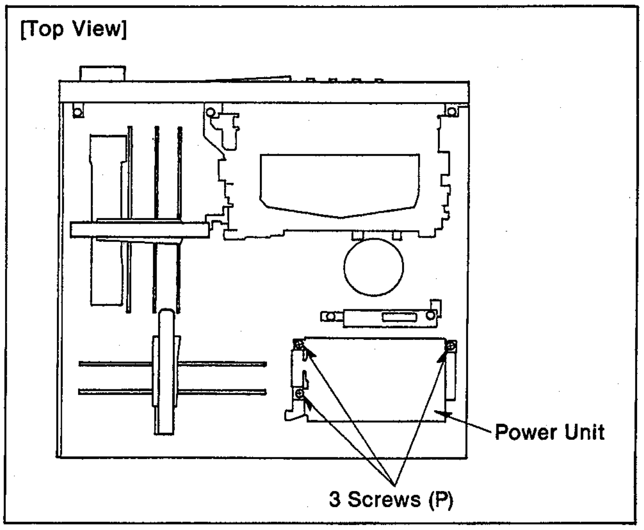

[Top View]
Power Unit
3 Screws (P)

Figure D15

2-2-12. Removal of the Power Connection C.B.A.

1. Unscrew the 2 screws (Q) on the Rear Panel (Figure D16).

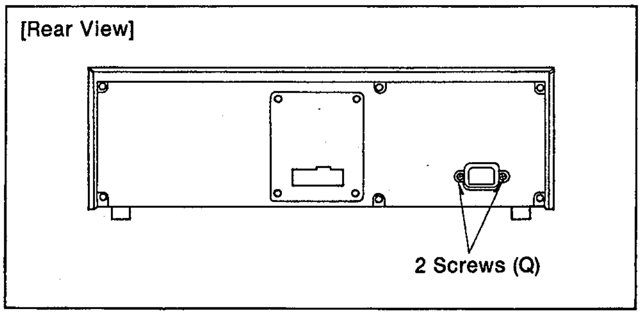

[Rear View]
2 Screws (Q)

Figure D16

2. Unscrew the 4 screws (R) on the Power Connection C.B.A. (Figure D17).
3. Carefully lift the Power Connection C.B.A.

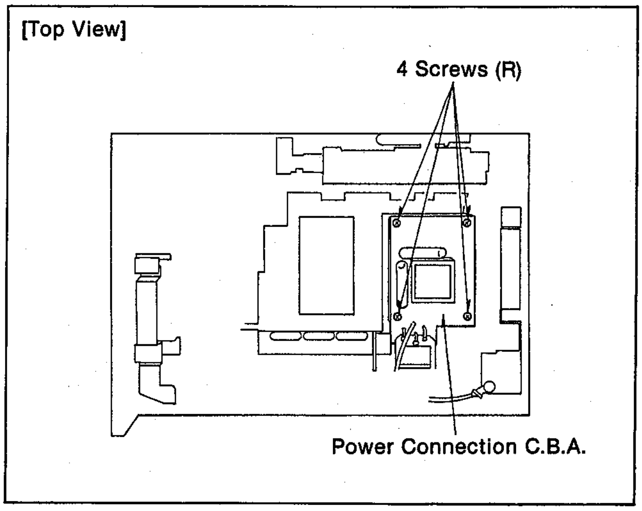

[Top View]
4 Screws (R)
Power Connection C.B.A.

Figure D17

2–2–13. Opening of the C.B.Hold Piece (A) and (B)

1. Open the C.B. Hold Piece (A) and (B) from unit by minus driver or the same (Figure D18 and Figure D19).

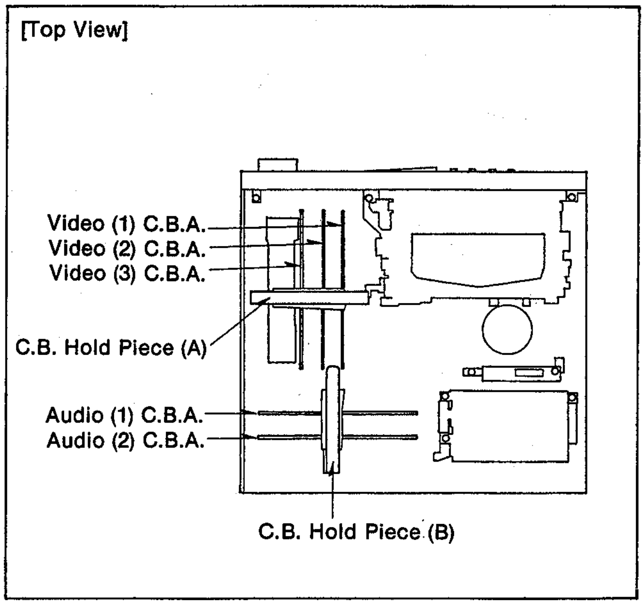

[Top View]
Video (1) C.B.A.
Video (2) C.B.A.
Video (3) C.B.A.
C.B. Hold Piece (A)
Audio (1) C.B.A.
Audio (2) C.B.A.
C.B. Hold Piece (B)

Figure D18

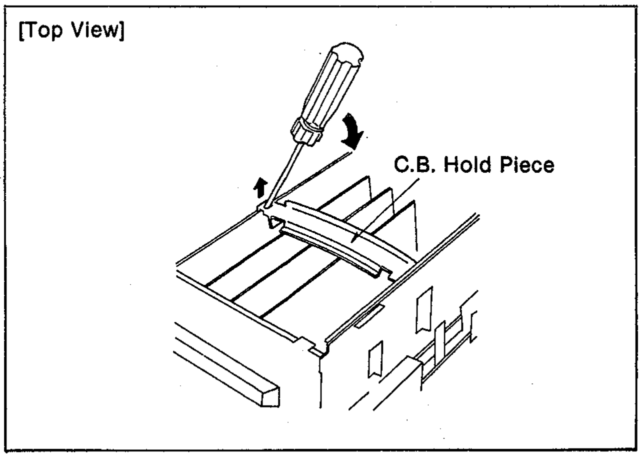

[Top View]
C.B. Hold Piece

Figure D19

2–2–14. Removal of the Video (1) C.B.A., Video (2) C.B.A. and Video (3) C.B.A.

1. Open the C.B. Hold Piece (A) as shown in Figure D18.
2. Carefully pull out the Video (1) C.B.A., Video (2) C.B.A. and Video (3) C.B.A. from Mother C.B.A.

2–2–15. Removal of the Audio (1) C.B.A. and Audio (2) C.B.A.

1. Open the C.B. Hold Piece (B) as shown in Figure D18.
2. Carefully pull out the Audio (1) C.B.A. and Audio (2) C.B.A. from Mother C.B.A.

2–2–16. Opening of the Servo & System Control C.B.A.

1. Unscrew the 3 screws (S) on the Servo & System Control C.B.A. and open the Servo & System Control C.B.A. by unlock a locking tab (T)(Figure D20 and Figure D21).
2. Remove the flatcables (P6001, P6002 and P6003)(Figure D21).

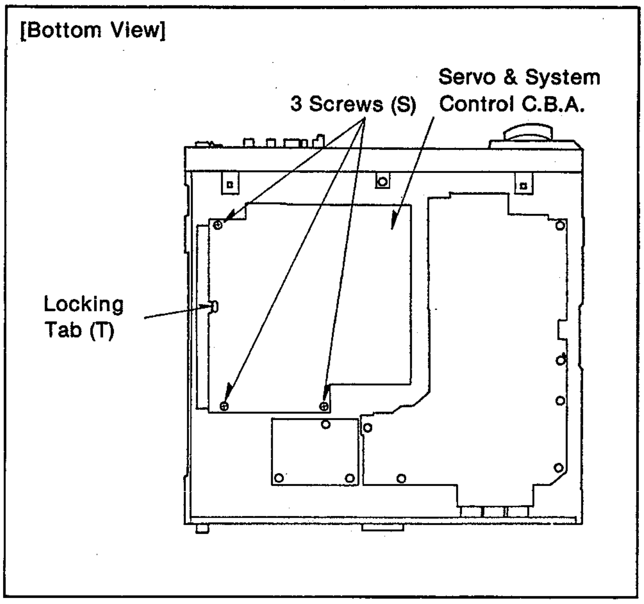

[Bottom View]
3 Screws (S)
Servo & System Control C.B.A.
Locking Tab (T)

Figure D20

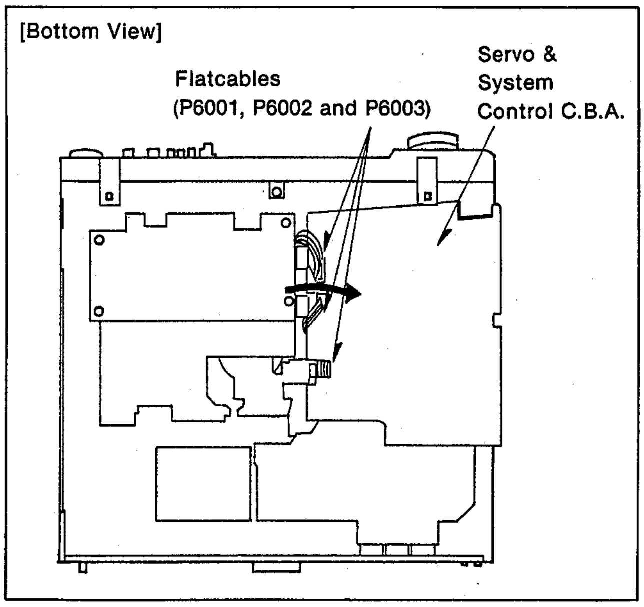

[Bottom View]
Flatcables (P6001, P6002 and P6003)
Servo & System Control C.B.A.

Figure D21

2–2–17. Removal of the Mother C.B.A.

NOTE : Before removing the Mother C.B.A., be sure to remove the Front C.B.A., Rear Jack C.B.A. Video (1) C.B.A., Video (2) C.B.A., Video (3) C.B.A., Audio (1) C.B.A. and Audio (2) C.B.A.

1. Unscrew the 8 screws (U) on the Mother C.B.A. (Figure D22).
2. Lift the Mother C.B.A.

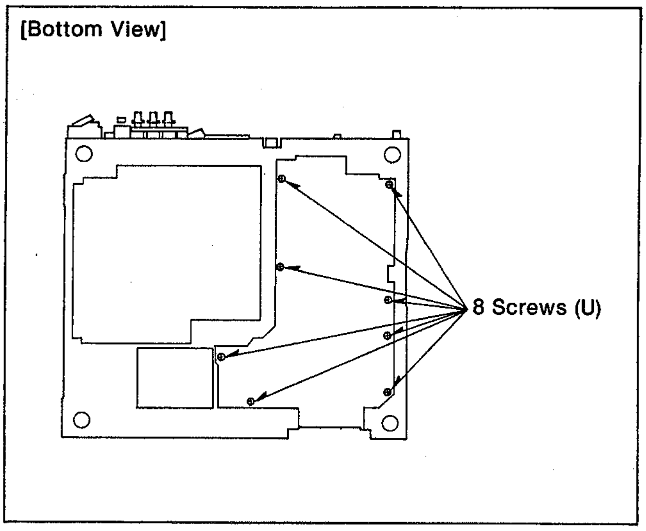

[Bottom View]
8 Screws (U)

Figure D22

2–2–18. Removal of the Power Detection C.B.A.

1. Unscrew the 3 screws (V) on the Power Detection C.B.A. (Figure D23).
2. Unlock a locking tab (W) on the Power Detection C.B.A. and lift the Power Detection C.B.A. (Figure D23).

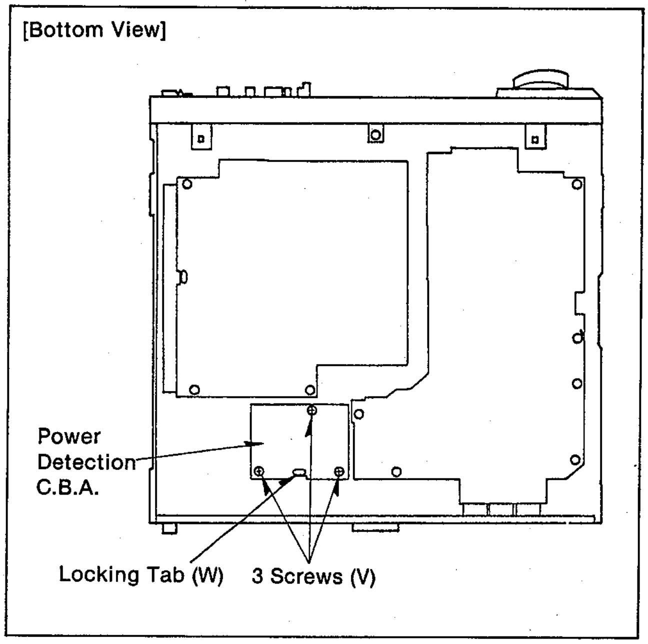

[Bottom View]
Power Detection C.B.A.
Locking Tab (W)
3 Screws (V)

Figure D23

2–2–19. Removal of the Reel Servo C.B.A.

1. Unscrew the 4 screws (X) on the Reel Servo C.B.A. (Figure D24).
2. Lift the Reel Servo C.B.A.

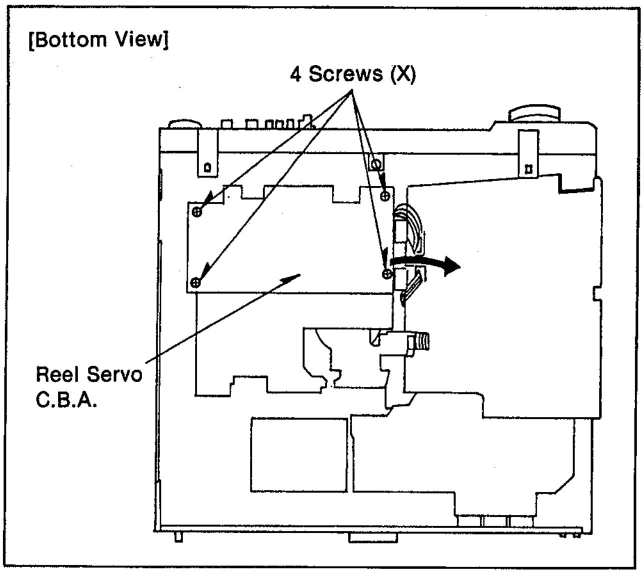

[Bottom View]
4 Screws (X)
Reel Servo C.B.A.

Figure D24

2–2–20. Removal of the Cassette Compartment Unit

1. Unscrew the 2 screws (Y–1) and a screw (Y–2)(Figure D25).
2. Disconnect 2 wires and 4 wires from P1508 on the right side of the Cassette Compartment Unit (Figure D25).
3. Remove the Top Plate.

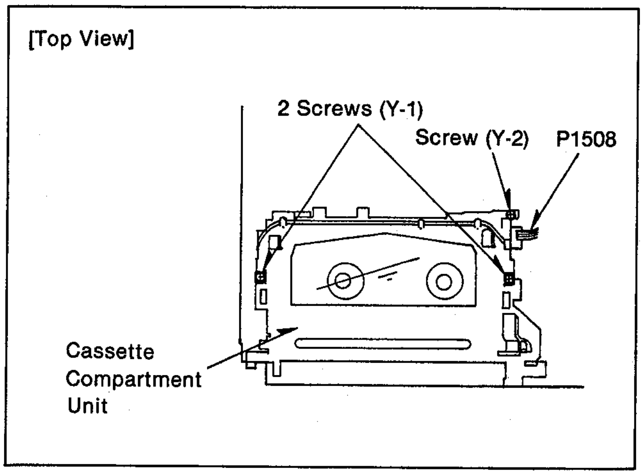

[Top View]
2 Screws (Y-1)
Screw (Y-2)
P1508
Cassette Compartment Unit

Figure D25

4. Remove a cassette holder unit.

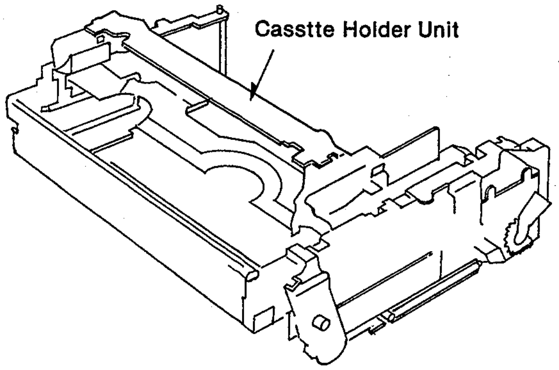

Casstte Holder Unit

Figure D26

5. Unscrew the 4 screws (Z) and remove the Cassette Compartment Unit.

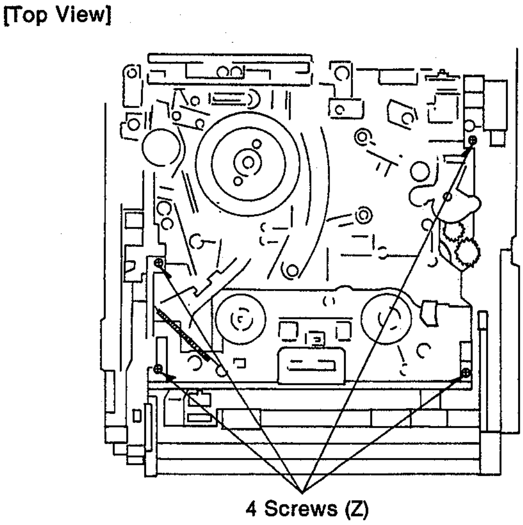
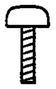
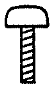
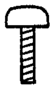
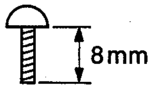
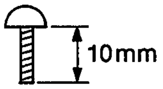
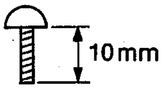
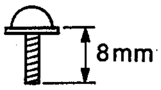
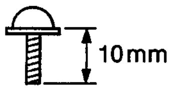
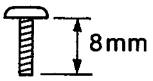
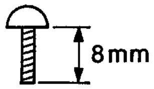
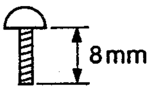

[Top View]
4 Screws (Z)

Figure D27

Note : When installing the Cassette Compartment Unit, refer to Mechanical Adjustment Procedures.

SCREWS

(A)  VHD0222	(B)  VHD0426	(C)  VHD0059	(D),(E),(Q)  XTV3+8FFZ(BLACK)	(G),(M),(N),(P),(S),(U),(V),(X)  XTV3+10JFR(RED)
(J),(K)  XTV4+10JFR (RED)	(O)  XTW3+8LR (RED)	(R)  XTW3+10JFR (RED)	(Y-1)  XTV3+8FB	(Y-2)  XTV26+8G (RED)
(Z)  XTV26+8FR (RED)				

Section 3

MAINTENANCE

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3-1. REGULAR MAINTENANCE

The purpose of periodic maintenance is to preserve the functioning of this machine throughout it's useful life. The user or service dealer should perform these maintenance regularly to ensure that maximum utility is obtained from the machine.

The VCR is a complicated piece of equipment. It contains many belts, rollers, heads etc., which become worn, and deteriorate as time goes by, causing trouble. Dust and dirt will also impede the proper functioning of the machine. In light of this, it is very important that overall maintenance be done according to the maintenance chart to maintain the functions of the VCR, and to avoid accidental problems. This maintenance should also be performed after any repairs are done on the equipment.

The VCR used for business applications requires particular attention for several reasons. The installation conditions and applications are not always the best. long use times, to poor environmental conditions may adversely affect the life-span and performance of the machine. Regular maintenance assures that the purchaser obtains the maximum value for his expenditure. Accordingly, the necessity of regular maintenance should be fully explained at the time of sale, as well as during after-sale repairs.
Please note that the recommended maintenance schedule depends on temperature and humidity.

3-2. MAINTENANCE CHART

The following periodic maintenance is required to prolong the life of the machine.

Ref. No. IN P/L	Parts Name	Hour										Ref. No. IN P/L	Parts Name	Hour									
		500	1000	1500	2000	2500	3000	3500	4000	4500	5000			500	1000	1500	2000	2500	3000	3500	4000	4500	5000
—	Tape Transporters	●	●	●	●	●	●	●	●	●	●	1-7	Loading Motor U								◎		
1-19	A/C Head (1) U	●	●	●	●	●	●	●	◎	●	●	1-48	Inclind Base (S) (2) U								■		
1-56	FE Head (AG-7350 ONLY)	●	●	●	●	●	●	●	◎	●	●	1-45	Inclind Base (T) (1) U								■		
1-41	Upper Cylinder U	●	◎	●	◎	●	◎	●	◎	●	◎	1-51	Head Cleaning U		◎		◎		◎		◎		◎
1-42	Lower Cylinder U	●	●	●	●	●	◎	●	●	●	●	1-36	Mode SW								◎		
2-28	Capstan Rotor U (Shaft)	●	●	●	●	●	●	●	●	●	●	2-7	Reel Motor U								◎		
1-25	Pressure Rooler U	●	●	●	◎	●	●	●	◎	●	●	2-39	Loading Cam Gear				×				×		
2-16	Main Brake (S) U				◎				◎			2-33	Main Cam Gear								■		
2-18	Main Brake (T) U				◎				◎			2-1	Worm Shaft								■		
2-2	Loading Belt				◎				◎			2-3	Worm Wheel								■		
1-13	Phinch Solenoid										◎												

∗NOTE:

Symbol	Maintenance	Requirement	Remark
●	Cleaning	Ethyl-alcohol or Cleaning Liquid (Purchase locally)	Wipe dirt from the parts using soft cloth impregnated with Ethyl-Alcohol. Note: When cleaning rubber parts, avoid using excessive alcohol since it may accelerate deterioration of these parts. After cleaning with alcohol, wipe the alcohol quickly and thoroughly.
◎	Replacement	———	———
■	Greasing	Molytone Grease (MOR265)	Wipe the old grease and apply new grease.
×	Greasing	S.C.R. Grease (VFK0680)	Wipe the old grease and apply new grease.

3-3. PARTS LOCATION

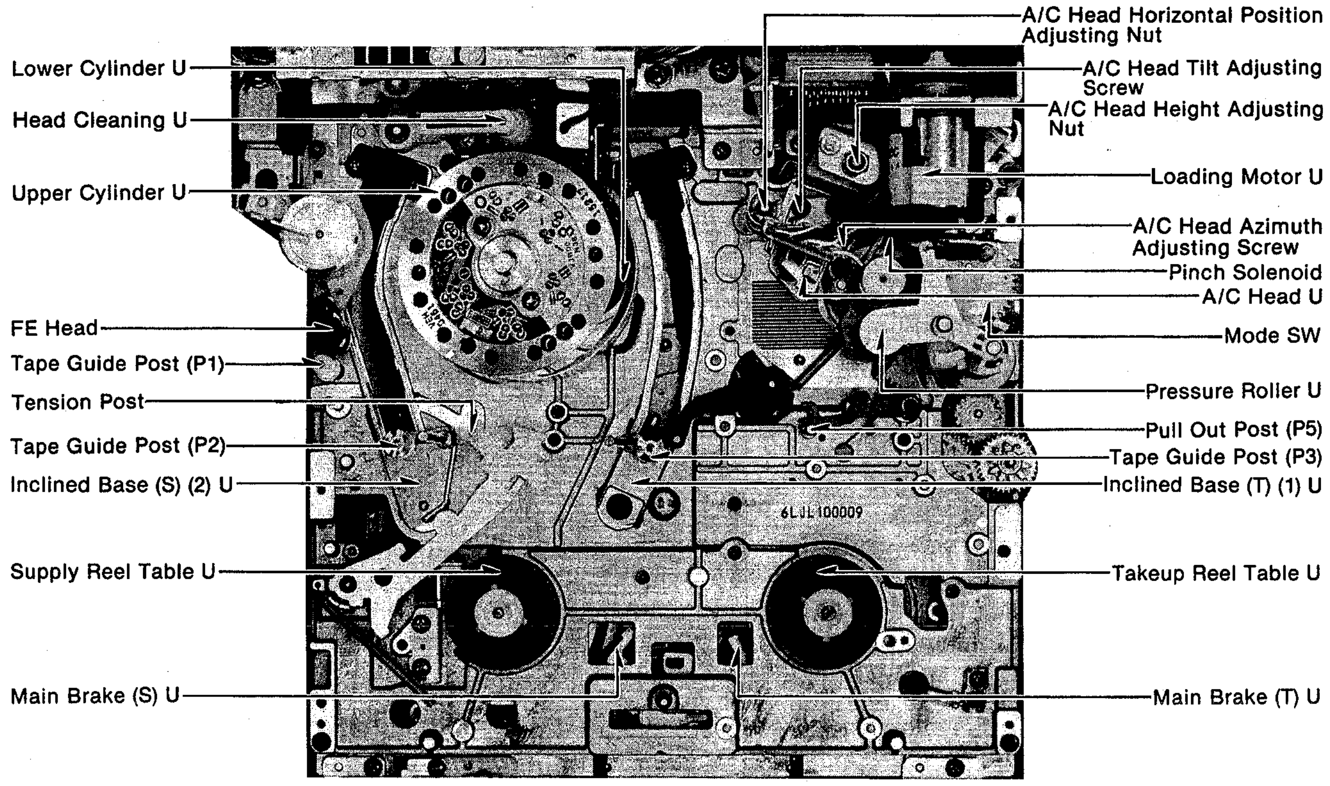

A/C Head Horizontal Position Adjusting Nut
Lower Cylinder U
A/C Head Tilt Adjusting Screw
Head Cleaning U
A/C Head Height Adjusting Nut
Upper Cylinder U
Loading Motor U
A/C Head Azimuth Adjusting Screw
Pinch Solenoid
A/C Head U
FE Head
Mode SW
Tape Guide Post (P1)
Tension Post
Pressure Roller U
Tape Guide Post (P2)
Pull Out Post (P5)
Tape Guide Post (P3)
Inclined Base (S) (2) U
Inclined Base (T) (1) U
6LJL100009
Supply Reel Table U
Takeup Reel Table U
Main Brake (S) U
Main Brake (T) U

Figure M1 Top View

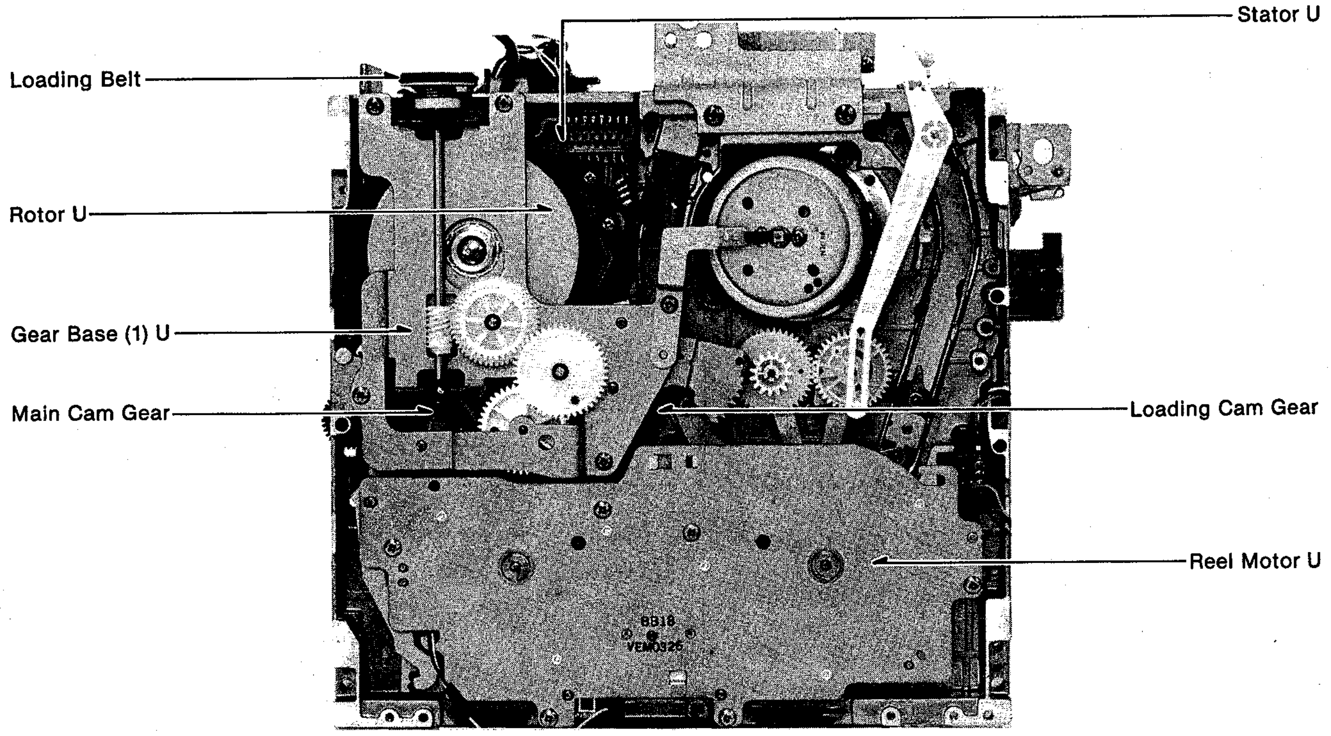

Stator U
Loading Belt
Rotor U
Gear Base (1) U
Main Cam Gear
Loading Cam Gear
Reel Motor U
BB18
VEM0325

Figure M2 Bottom View

3-4. MAINTENANCE PROCEDURES

3-4-1. HOW TO EJECT MANUALY

If the electrical circuit is defective and the action of unloading and front unloading don't work properly, it is possible to eject manually as follows.

1. Take out the Main AC.
2. Release the direction as shown in Figure M3.
3. Rotate the Wormshaft to clockwise until cassette is ejected.

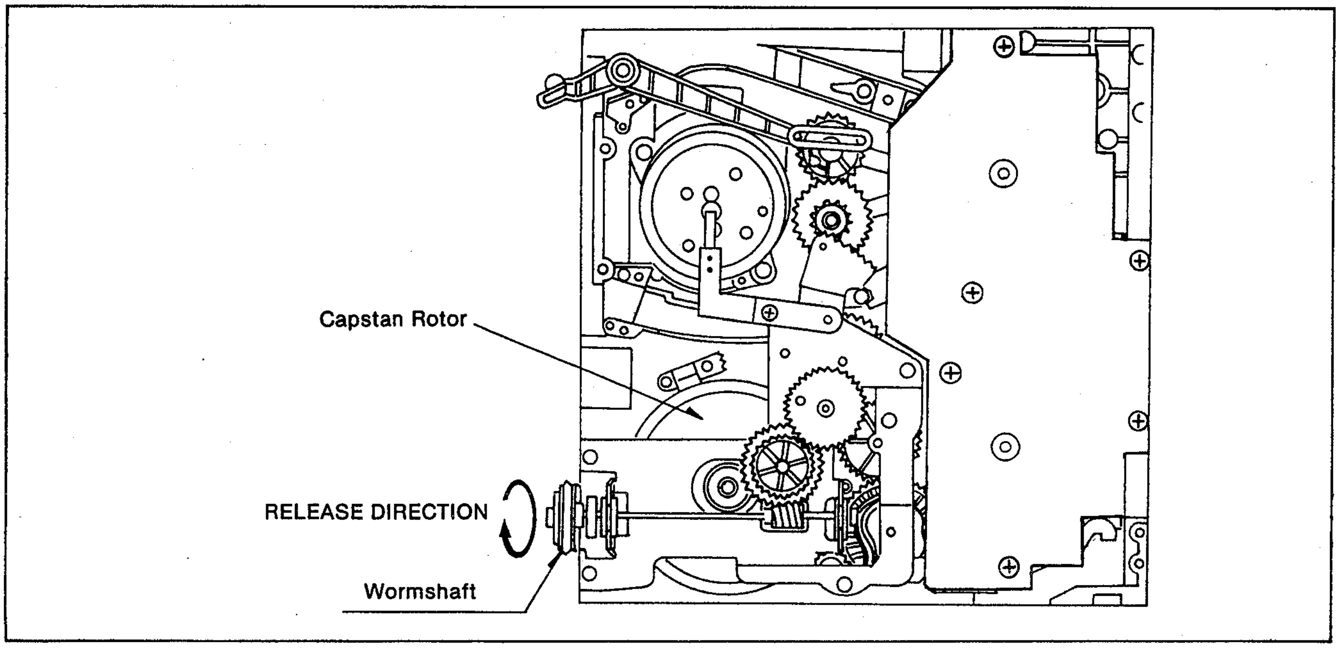

Capstan Rotor
RELEASE DIRECTION
Wormshaft

Figure M3

3-4-2. CYLINDER MAINTENANCE PROCEDURES

A. Procedures for Cleaning of the Cylinder Unit

1. Position the video head to permit access for cleaning and hold the upper cylinder to keep it from turning while cleaning.
2. Gently rub the video head in direction of tape travel with Head Cleaning Stick moistened with Cleaning Liquid.
3. Repeat for the other video heads. (Figure M4)

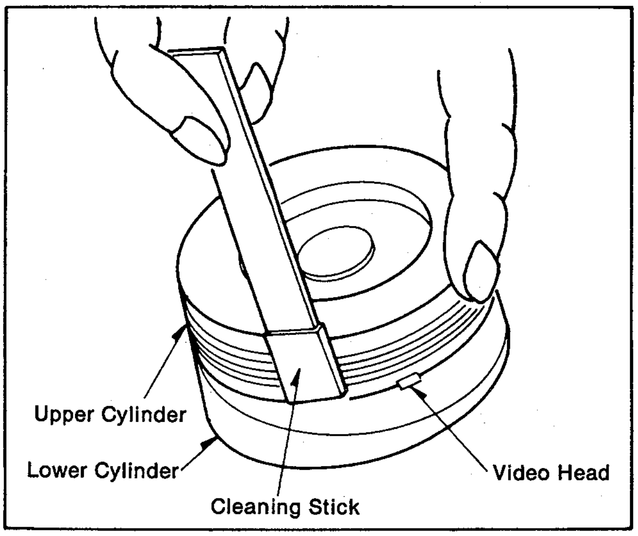

Upper Cylinder
Lower Cylinder
Cleaning Stick
Video Head

Figure M4

*Notes:
1. Do not rub vertically.
2. Do not apply any pressure to heads.

B. Replacement of the Upper Cylinder Unit

1. First remove two screws as shown in Figure M5. Then unsolder 16 (Figure M6) of the soldered portions indicated by arrows on the Upper Cylinder, and finally remove the Upper Cylinder.

*Note: Soldered portion can be easily removed by using solder sucking wire, etc.

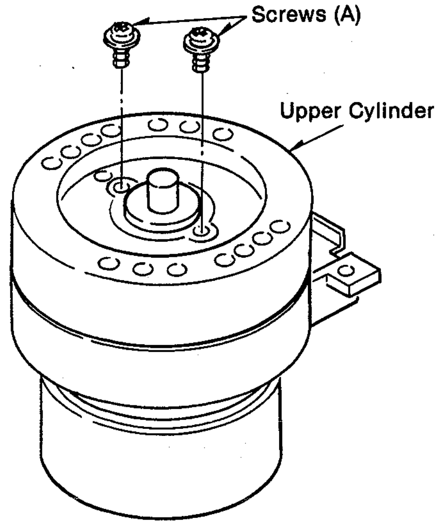

Screws (A)
Upper Cylinder

Figure M5

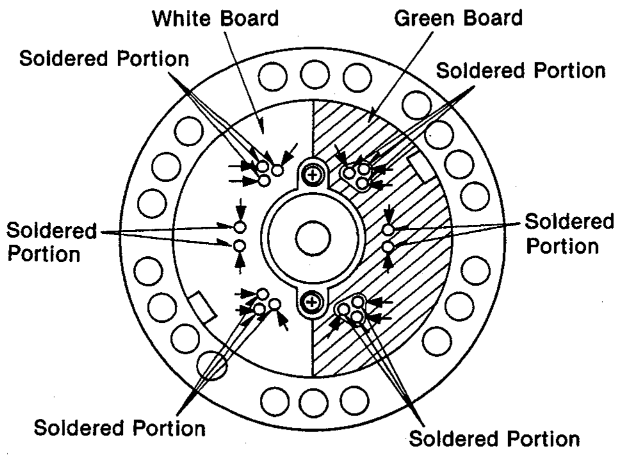

White Board
Green Board
Soldered Portion
Soldered Portion
Soldered Portion
Soldered Portion
Soldered Portion
Soldered Portion

Figure M6

2. The Upper Cylinder unit can be reinstalled by reversing the removal procedure. However, when Upper Cylinder is installed, be extremely carefully so that white portion of P.C. board of Upper Cylinder correctly matches the white portion of bottom cylinder as shown in Figure M7.

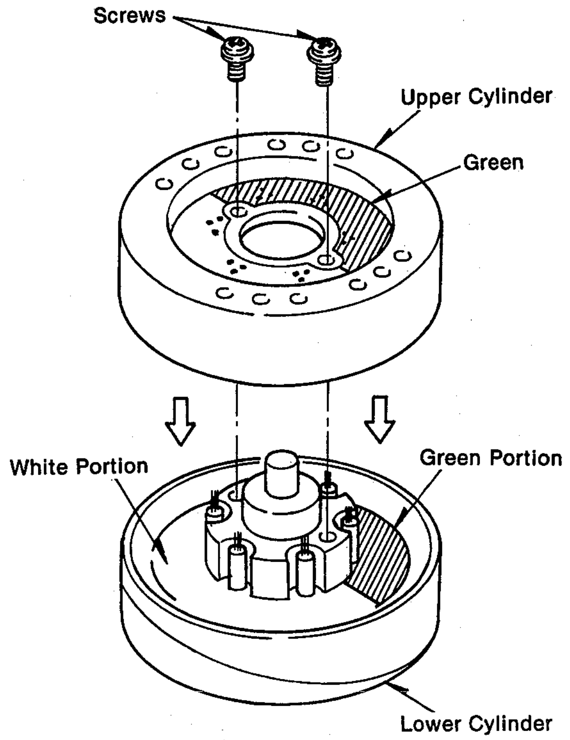

Screws
Upper Cylinder
Green
White Portion
Green Portion
Lower Cylinder

Figure M7

*Note: If the Upper Cylinder Unit is reversal installed, no color will appear when playing back pre-recorded tapes.

C. Replacement of the Lower Cylinder Unit

1. Disconnect 2 connectors. (Figure M8)

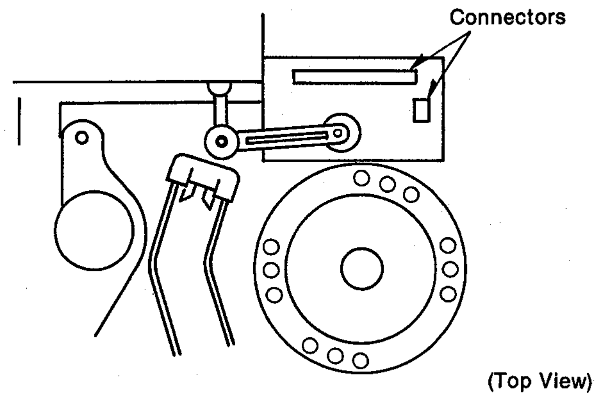

Connectors
(Top View)

Figure 2–8

2. Remove the Cleaning Rod from bottom side.
3. Disconnect a connector (D).
4. Unscrew 3 screws (C). Since there is very little clearance between DD Cylinder (Lower Cylinder) Unit and Chassis, remove the Cylinder gently and carefully. (Figure M9).

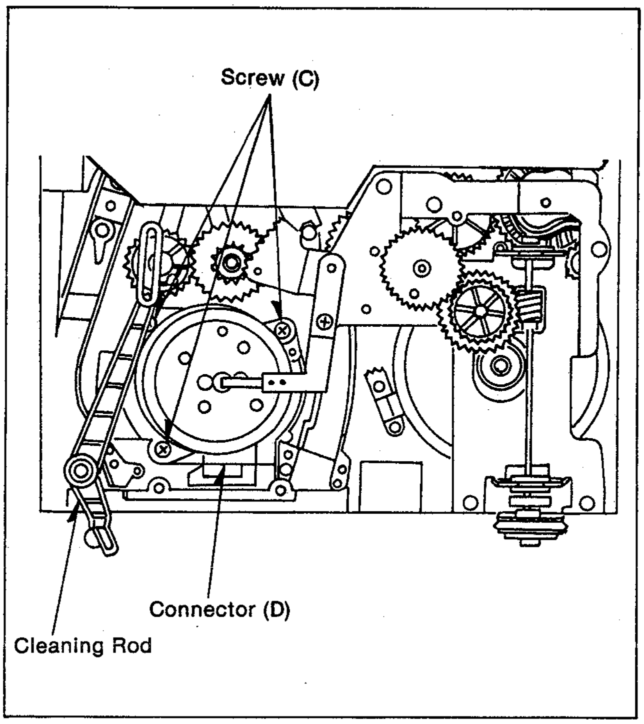

Screw (C)
Connector (D)
Cleaning Rod

Figure M9

5. Reinstall the new DD Cylinder (Lower Cylinder) Unit in the chassis, tighten the 3 screws (C). Then connect a connectors and reinstall the Cleaning Rod.
6. Re–install the Head Amp C.B.A.

D. Adjustment After Re–Installing

Figure M10 shows the order of steps for adjusting the mechanical and electrical.

These adjustments should be performed after completion of reinstalling the Upper Cylinder or Lower Cylinder Unit.

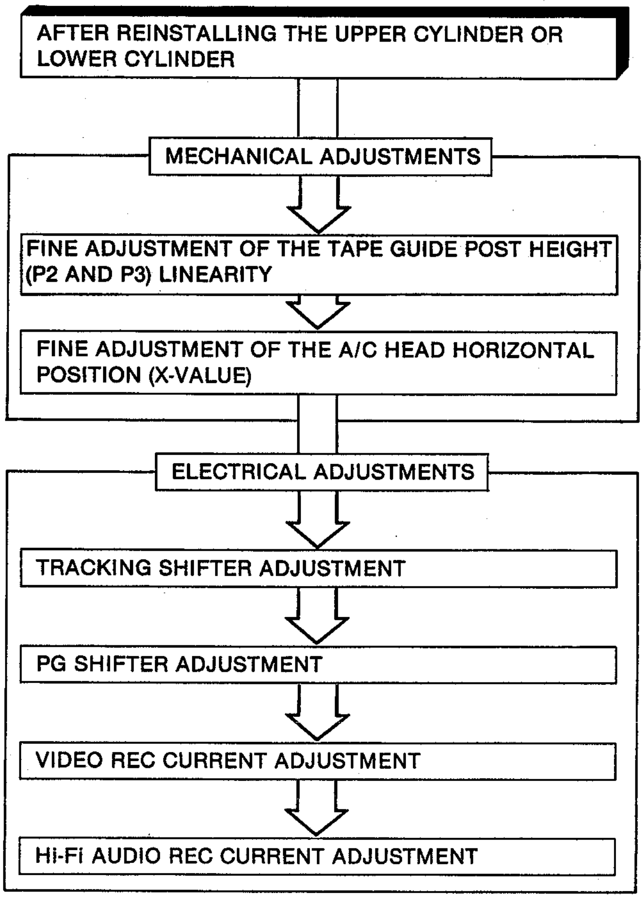

AFTER REINSTALLING THE UPPER CYLINDER OR LOWER CYLINDER
MECHANICAL ADJUSTMENTS
FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 AND P3) LINEARITY
FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
ELECTRICAL ADJUSTMENTS
TRACKING SHIFTER ADJUSTMENT
PG SHIFTER ADJUSTMENT
VIDEO REC CURRENT ADJUSTMENT
Hi-Fi AUDIO REC CURRENT ADJUSTMENT

Figure M10

3-4-3. A/C HEAD MAINTENANCE PROCEDURES

A. Replacement of the A/C Head (1) Unit

1. Disconnect a connector (H). (Figure M11)
2. Unscrew 3 screws (E)(F)(G) with a spring and then remove the A/C Head (1) Unit (Figure M11).

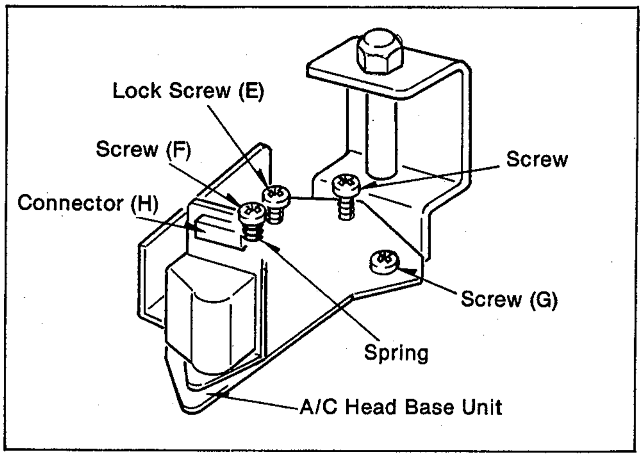

Lock Screw (E)
Screw (F)
Connector (H)
Screw
Screw (G)
Spring
A/C Head Base Unit

Figure M11

3. The A/C Head (1) Unit can be reinstalled by reversing the removal procedure.

B. Adjustment After Re–installing

Figure M12 shows the order of steps for adjusting the mechanical and electrical. These adjustments should be performed after completion of reinstalling the A/C Head (1) Unit.

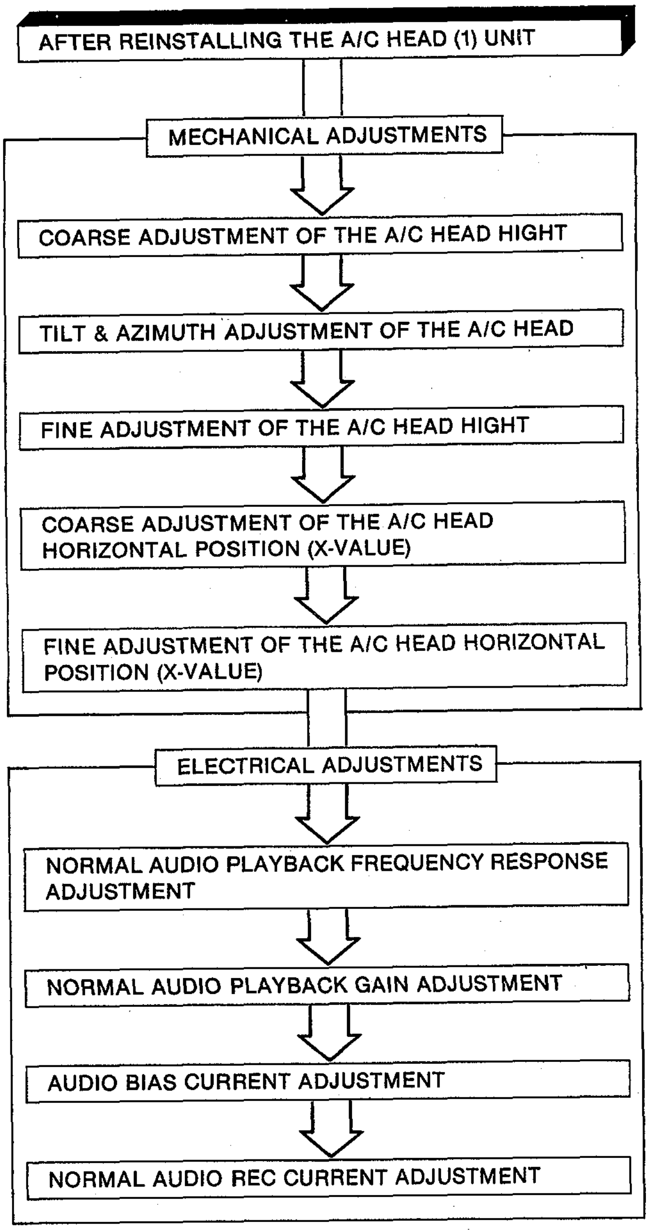

AFTER REINSTALLING THE A/C HEAD (1) UNIT
MECHANICAL ADJUSTMENTS
COARSE ADJUSTMENT OF THE A/C HEAD HIGHT
TILT & AZIMUTH ADJUSTMENT OF THE A/C HEAD
FINE ADJUSTMENT OF THE A/C HEAD HIGHT
COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
ELECTRICAL ADJUSTMENTS
NORMAL AUDIO PLAYBACK FREQUENCY RESPONSE ADJUSTMENT
NORMAL AUDIO PLAYBACK GAIN ADJUSTMENT
AUDIO BIAS CURRENT ADJUSTMENT
NORMAL AUDIO REC CURRENT ADJUSTMENT

Figure M12

3-4-4. FULL ERASE HEAD MAINTENANCE PROCEDURE

A. Replacement of the Full Erase Head

1. Disconnect a connector (J).
2. Unscrew a screw (K) and remove the Full Erase Head.

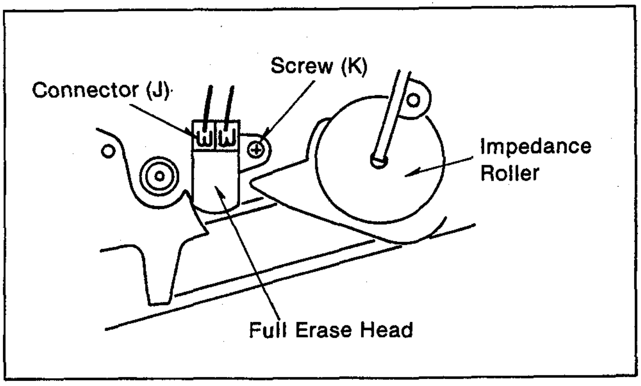

Screw (K)
Connector (J)
Impedance Roller
Full Erase Head

Figure M13

3. The new Full Erase Head can be reinstalled by reversing the removal procedure.

3-4-5. PRESSURE ROLLER MAINTENANCE PROCEDURES

A. Replacement of the Pressure Roller Unit

1. Place the deck in STOP or EJECT mode.
2. Remove the Pinch Can Cap.
3. Remove the Pressure Roller Unit.

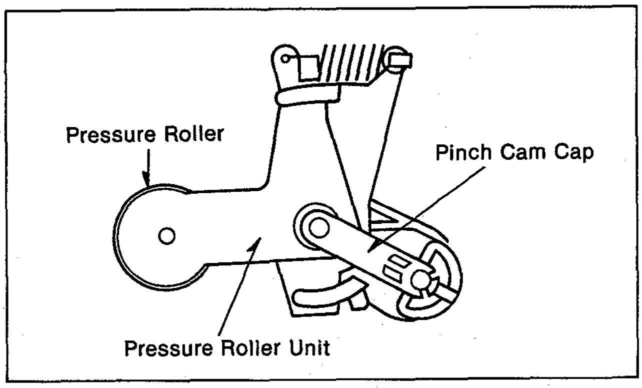

Pressure Roller
Pinch Cam Cap
Pressure Roller Unit

Figure M14

4. The new Pressure Roller Unit can be re–installed by reversing the removal procedure.

3-4-6. REEL MOTOR UNIT MAINTENANCE PROCEDURES

A. Replacement of the Reel Unit

1. Remove 6 screws (L) and carefully lift the DD Reel Unit.
2. Disconnect a connector.

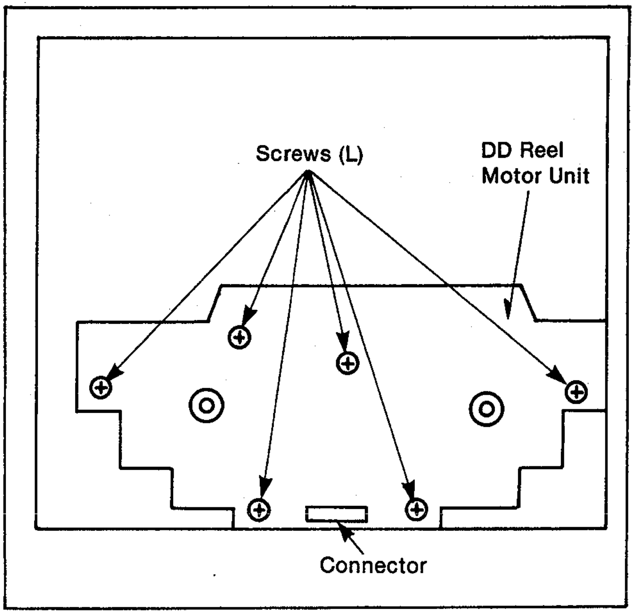

Screws (L)
DD Reel Motor Unit
Connector

Figure M15

3. The Reel Motor Unit can be re–installed by reversing the removal procedure.

*Note: When assembling the DD Reel Motor Unit, slide the Main Rod to far left side by rotating a Center Gear.

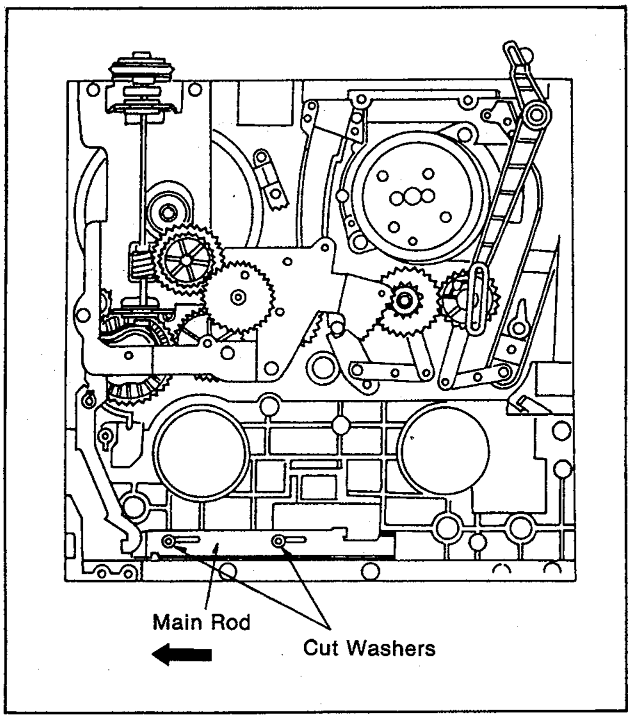

Main Rod
Cut Washers

Figure M16

3-4-7. MAIN BRAKE (S),(T) UNIT MAINTENANCE PROCEDURES

A. Replacement of the Main Brake (S),(T) Unit

1. Remove the Reel Unit. (Refer to Reel Motor Maintenance Procedures.)
2. Remove a Retaining Ring.
3. Remove the Main Brake (S),(T) with a spring.

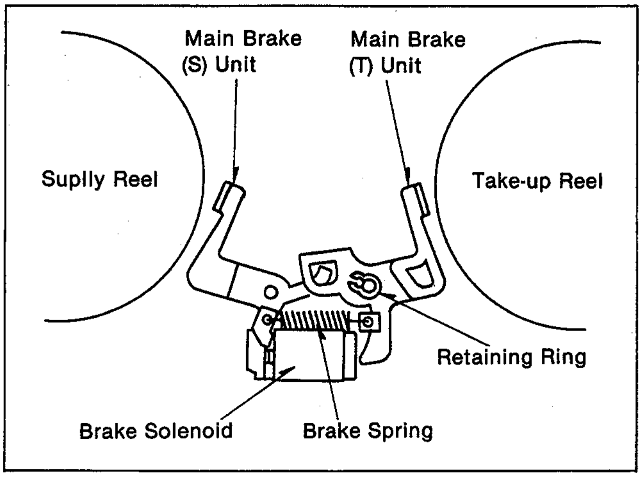

Main Brake (S) Unit
Main Brake (T) Unit
Suplly Reel
Take-up Reel
Retaining Ring
Brake Solenoid
Brake Spring

Figure M17

4. The new Main Brake (S),(T) Unit can be reinstalled by reversing the removal procedure.

*Note: When assembling the DD Reel Motor Unit, slide the Main Rod to far left side by rotating a Center Gear. (Figure M16)

3-4-8. LOADING MOTOR UNIT MAINTENANCE PROCEDURES

A. Replacement of the Loading Motor Unit

1. Remove the Loading Belt.
2. Remove the Loading Motor Pulley.
3. Disconnect a connector.
4. Unscrew 2 screws (M) and remove the Loading Motor Unit.

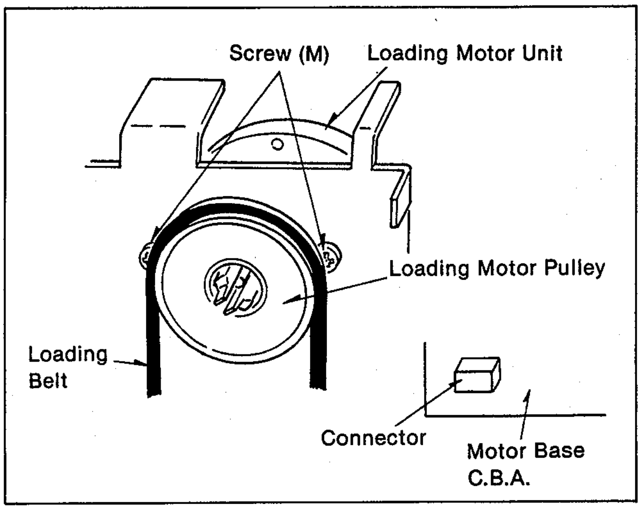

Screw (M)
Loading Motor Unit
Loading Motor Pulley
Loading Belt
Connector
Motor Base C.B.A.

Figure M18

5. The Loading Motor Unit can be reinstalled by reversing the removal procedure.

3-4-9. HEAD CLEANING PAD UNIT MAINTENANCE PROCEDURES

A. Replacement of the Head Cleaning Pad

1. Remove a Cut Washer (N) and the Head Cleaning Pad Unit.
2. The Head Cleaning Pad Unit can be reinstalled by reversing the removal procedure.

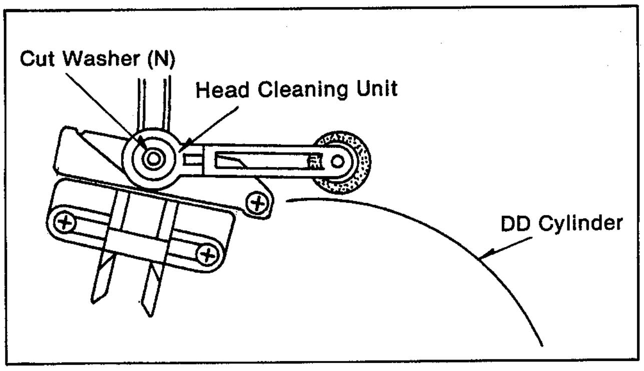

Cut Washer (N)
Head Cleaning Unit
DD Cylinder

Figure M19

3-4-10. MODE SWITCH MAINTENANCE PROCEDURES

A. Replacement of the Mode Switch

1. Place the deck in the STOP mode.
2. Remove the Cassette Compartment Unit. (Refer to Disassembly Procedures)
3. Remove the Pinch Cam Cap and Pressure Roller Unit.
4. Remove the Pinch Cam.

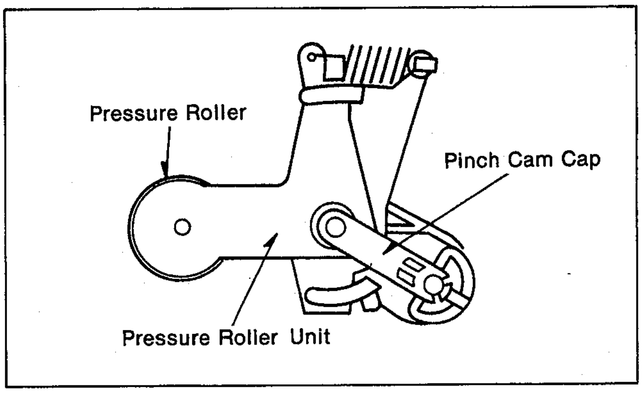

Pressure Roller
Pinch Cam Cap
Pressure Roller Unit

Figure M20

5. Unscrew 2 screws (P) and remove the Loading Motor Base.
6. Unscrew a screw (Q) and unsolder 5 of soldered portions.
7. Finally remove the Mode Switch.

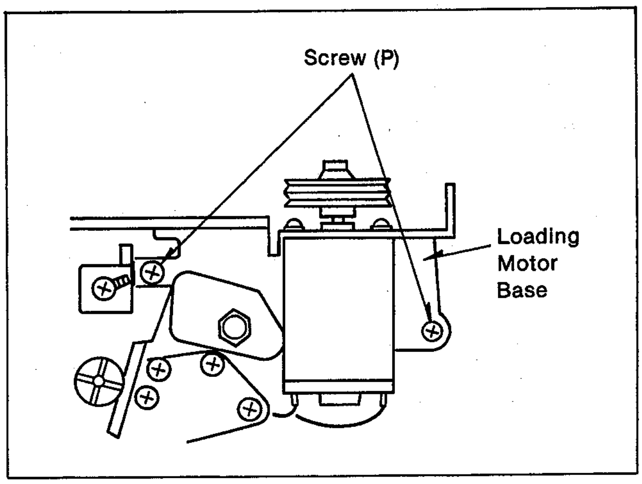

Screw (P)
Loading Motor Base

Figure M21

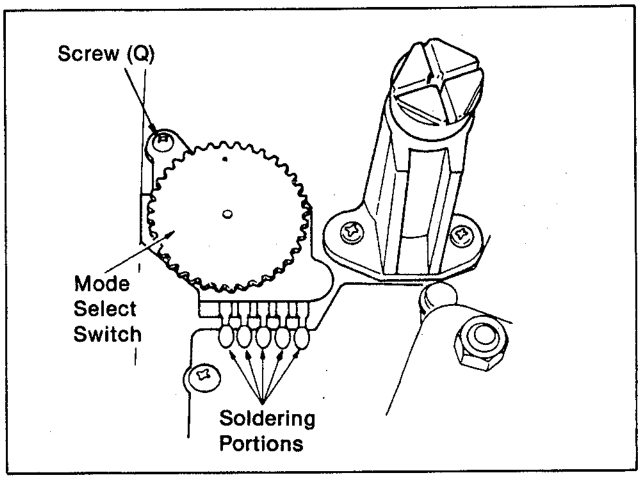

Screw (Q)
Mode Select Switch
Soldering Portions

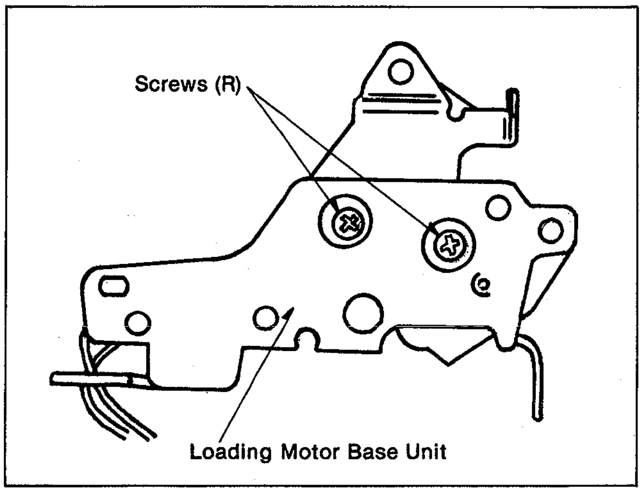
Figure M22

8. Install a Mode Switch and tighten screw (Q), then solder 5 soldering portions.
9. Install the Pinch Cam and Pressure Roller Unit. (Refer to " Assembly Procedures of Pinch Cam & Pressure Roller Unit.")
10. Install the Loading Motor Base and tighten screw (P).
11. Install the Cassette Compartment. (Refer to Reinstallation of Cassette Compartment.)

3-4-11. PINCH SOLRNOID MAINTENANCE PROCEDURES

A. Replacement of the Pinch Solenoid

1. Unscrew 2 screws (P) and remove the Loading Motor Base. (Figure M21)
2. Disconnect a connector (red) on the Motor Base C.B.A.
3. Unscrew 2 screws(R)(Figure M23) and remove the Pinch Solenoid.
4. Install a Pinch Solenoid and tighten 2 screws (P).
5. Install the Loading Motor Base and tighten 2 screws (P).(Figure M21)



B. Adjustment After Re-installing

Pressure Adjustment of the Pinch Roller (Refer to Mechanical Adjustment Procedures) should be performed after completion of reinstalling the Pinch Solenoid.

Section 4

MECHANICAL ADJUSTMENTS

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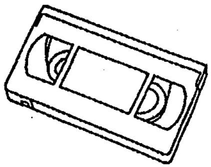
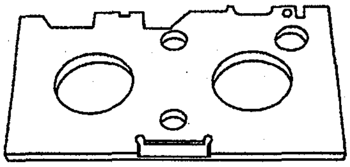
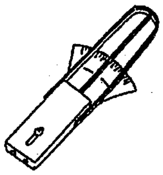
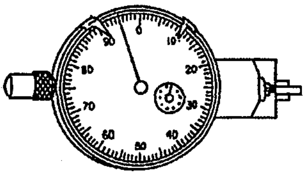
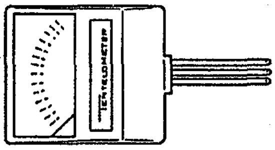
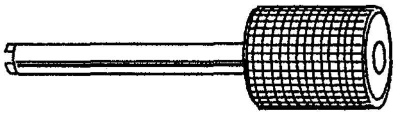
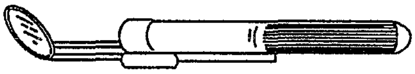
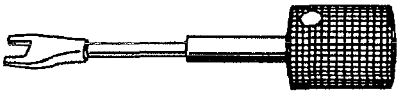
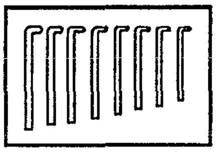
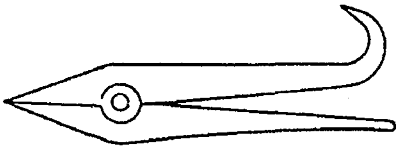
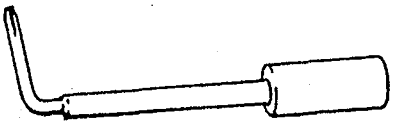
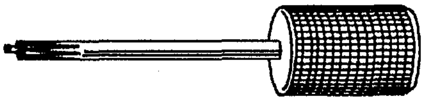
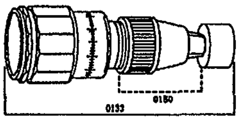
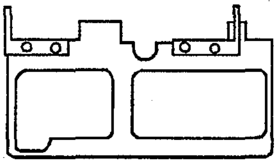
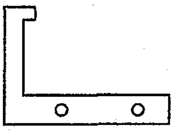
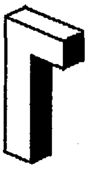
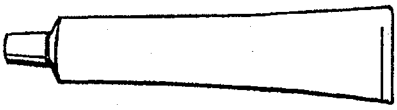
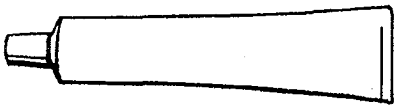
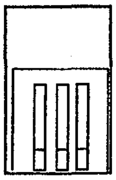
4-1. SERVICING FIXTURES AND TOOLS

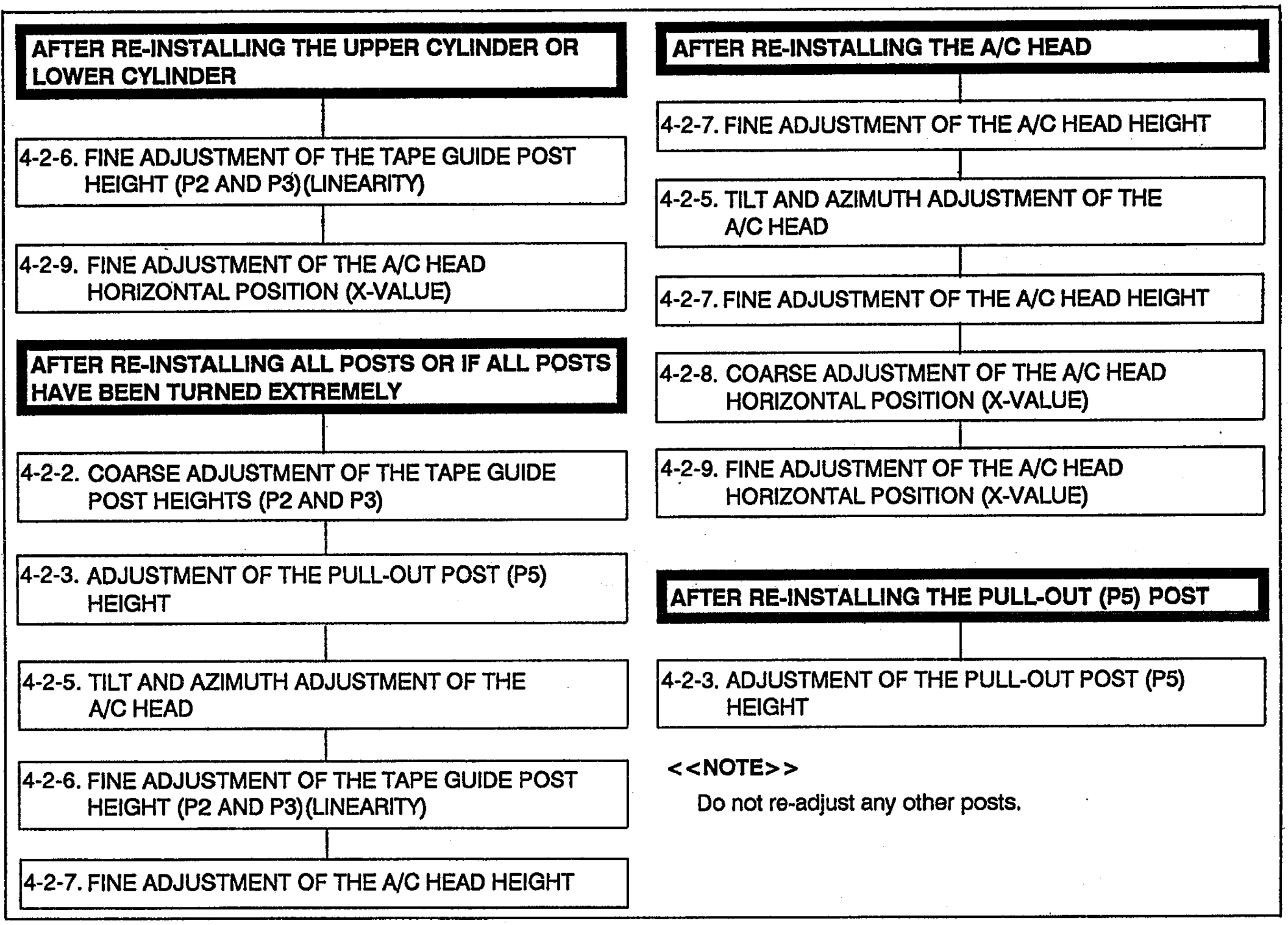
The specified servicing fixture must be used to conduct adjustment.
The following fixtures, tools and measuring equipments are required to conduct complete Mechanical Adjustments.

VFM8180HADH ; PAL VHS Alignment Tape VFM8080HQFP ; NTSC VHS Alignment Tape 	VFK0191 ; Post Adjustment Plate 	VFK66 ; Fan Type Tension Gauge 
VFK0190 ; Reel Table Height Fixture 	VFK0132 ; Back Tension Meter (Tentelometer, Made in U.S.A.) 	VFK0329 ; Post Adj.Screwdriver 
VFK0343 ; Check Light 	VFK0328 ; H-Position Adj. Screwdriver 	VFK0326 ; Hex. Wrench Set (0.7, 0.9, 1.2, 1.5, 1.6, 2.0, 2.4, 3.0mm) 
VFK0335 ; Retaining Ring Remover 	VFK0269 ; L Type Screwdriver 	VFK0330 ; Fine Adjustment Screwdriver (3mm ϕ) 
VFK0133 ; Dial Torque Gauge VFK0180 ; Plastic Clamper Only VFK0134 ; Adaptor for VFK0133 	VFK0236 ; Tension Post Adj. Plate 	VFK0578 ; Tension Sensor Adj. Fixture 
VFK0344 ; Post Height Adj. Fixture 	High Quality Machine Oil (Reel Shaft, Capstan Saft etc.) <<PURCHASE LOCALLY>>	Cleaning Liquid (Alchol) (Tape Transport Rubber Parts etc.) <<PURCHASE LOCALLY>>
MOR265 ; Morlytone Grease (Black) (for metal part) 	VFK0680 ; S.C.R. Grease (White) (for plastic part) 	VFK27 ; Head Cleaning Stick 

4-2. TAPE INTERCHANGEABILITY ADJUSTMENT PROCEDURES

4-2-1. ADJUSTMENT FLOW CHART

This flow chart describes the order of steps for adjusting the tape guide posts and A/C head in order to gain access to the items needing servicing. (Figures M1 and M2)


AFTER RE-INSTALLING THE UPPER CYLINDER OR LOWER CYLINDER
4-2-6. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 AND P3)(LINEARITY)
4-2-9. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
AFTER RE-INSTALLING ALL POSTS OR IF ALL POSTS HAVE BEEN TURNED EXTREMELY
4-2-2. COARSE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHTS (P2 AND P3)
4-2-3. ADJUSTMENT OF THE PULL-OUT POST (P5) HEIGHT
4-2-5. TILT AND AZIMUTH ADJUSTMENT OF THE A/C HEAD
4-2-6. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 AND P3)(LINEARITY)
4-2-7. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT
AFTER RE-INSTALLING THE A/C HEAD
4-2-7. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT
4-2-5. TILT AND AZIMUTH ADJUSTMENT OF THE A/C HEAD
4-2-7. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT
4-2-8. COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
4-2-9. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)
AFTER RE-INSTALLING THE PULL-OUT (P5) POST
4-2-3. ADJUSTMENT OF THE PULL-OUT POST (P5) HEIGHT

<<NOTE>>
Do not re-adjust any other posts.

Figure M1

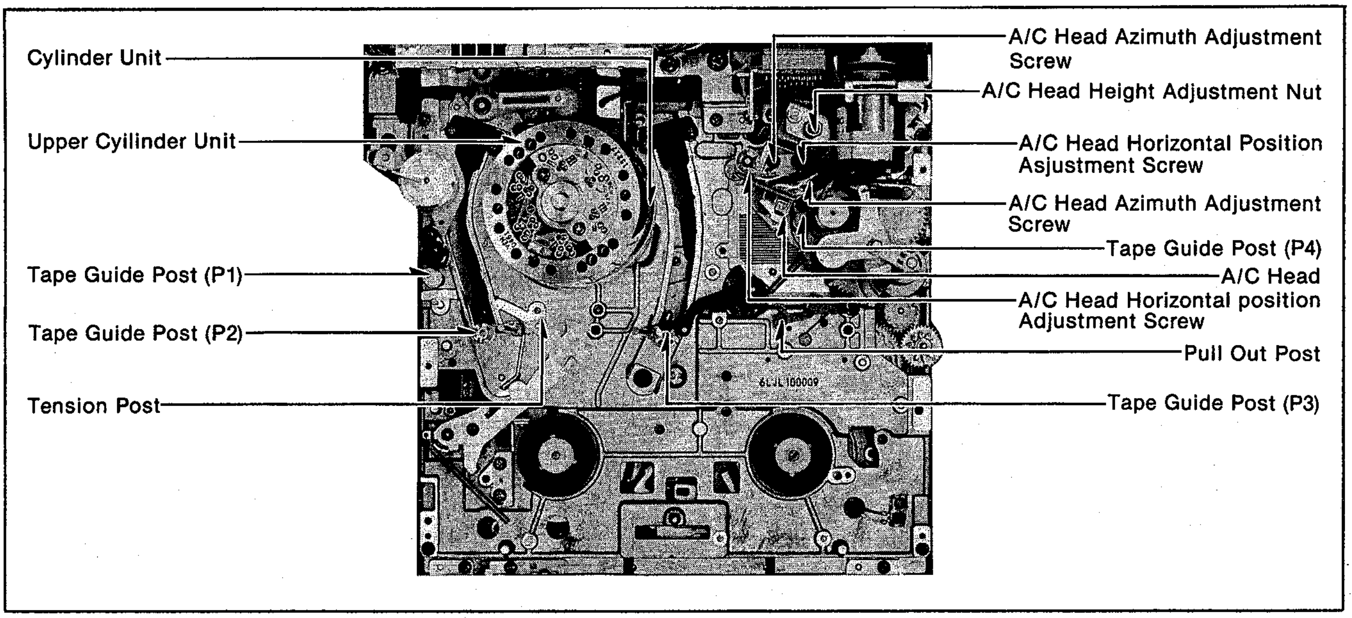

Cylinder Unit
Upper Cyilinder Unit
Tape Guide Post (P1)
Tape Guide Post (P2)
Tension Post
A/C Head Azimuth Adjustment Screw
A/C Head Height Adjustment Nut
A/C Head Horizontal Position Asjustment Screw
A/C Head Azimuth Adjustment Screw
Tape Guide Post (P4)
A/C Head
A/C Head Horizontal position Adjustment Screw
Pull Out Post
Tape Guide Post (P3)

Figure M2

4-2-2. COARSE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHTS (P2 and P3)

<<NOTE>>

The Tape Guide Posts have been precisely adjusted at the factory. Therefore, normally do not change the height of the P2 and P3 Posts.
The following adjustment is required only when replacing the posts.
To prevent the alignment tape from being damaged, use a normal cassette tape for this procedure.

<<TOOL>>

Post Adjustment Plate ; VFK0191
Reel Table Height Gauge ; VFK0190
Post Adjustment Screwdriver ; VFK0329
Check Light ; VFK0343
L Type Screwdriver ; VFK0326

1. Remove the cassette compartment. (Refer to Disassembly Procedures)
2. Place the Post Adjustment Plate over the reel tables. Confirm that the Post Adjustment Plate is firmly seated as shown in Figure M3.

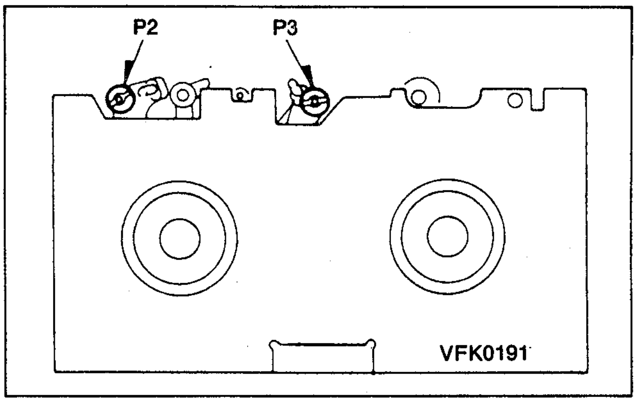


Figure M3

3. Lower 2 tape guide posts (P2 and P3) by turning the Post Adjustment screwdriver so that the condition of post becomes as shown in Figure M4. That is the lower edge of Tape guide should be lower than surface of Adjustment Plate.

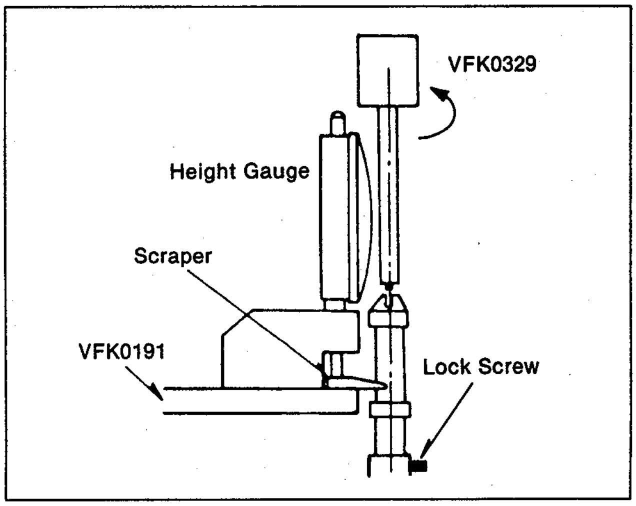


Figure M4

<<NOTE>>

Before turning P2 and P3 posts, slightly loosen the Lock Screw using the L Type Screwdriver.

4. Place the scraper of Reel Table Height Gauge as shown in Figure M5.
   Set the gauge to zero, then raise the post slowly until the lower tape guide just touches the bottom of the scraper. Use the gauge to determine the exact point at which the lower tape guide touches the scraper.

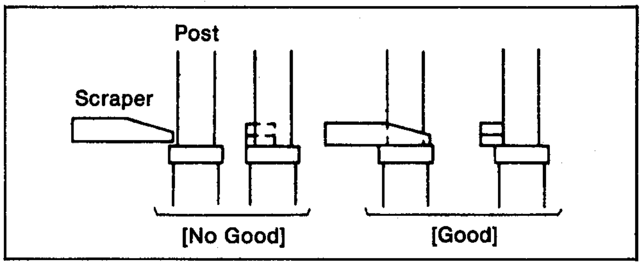


Figure M5

5. After the adjustment, install the cassette compartment referring to Reinstallation of cassette compartment.
6. Play back the beginning portion of NV-E180 cassette tape, and confirm that tape travel as shown in Figure M6.

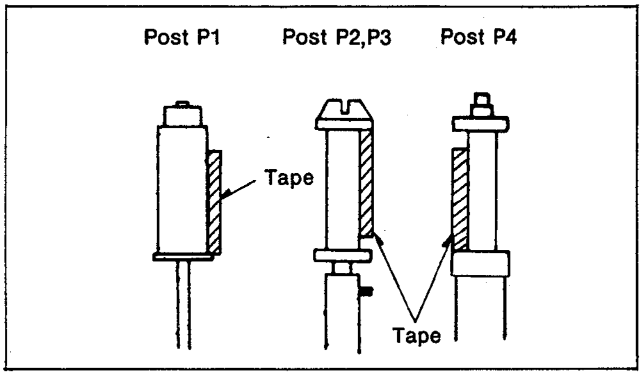


Figure M6

7. Make sure that the edges of the tape are not curling or waving at the bottom or top end of the posts P2, P3 by using the Check Light.
8. If there are waving or frilling at the lower or upper edge of the P2 and P3 posts, readjust the heights of P2 and P3 Posts correctly as shown in Figure M7.

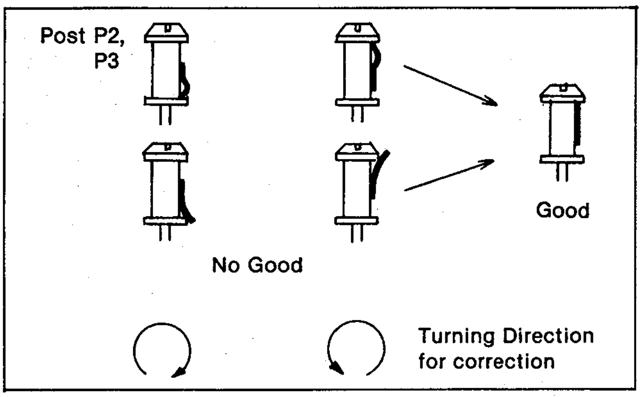


Figure M7

9. And confirm that the tape runs along the Cylinder Lead Correctly.

4-2-3. ADJUSTMENT OF THE PULL OUT POST (P5) HEIGHT

<<TOOL>>
Post Adjustment Plate ; VFK0191
Reel Table Height Gauge ; VFK0190
Nut Driver ; Purchase locally

<<SPEC>>
- 0.03mm +/- 0.01mm

<<NOTE>>
Unless the replacement or adjustment this post is required, the adjustment nut should not be turned.

1. Remove the cassette compartment. (Refer to Disassembly procedures)
2. Place the Post Adjustment Plate over the reel tables.
3. Turn the Worm Shaft counterclockwise (loading direction) until the mechanical condition becomes as shown in Figure M8.

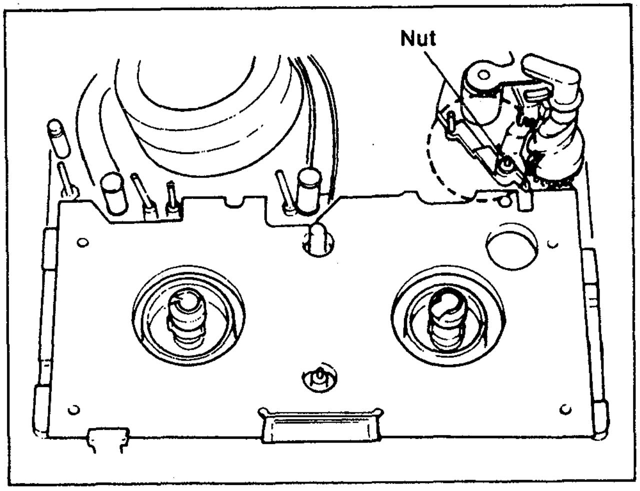


Figure M8

4. Place the Reel Table Height Gauge on the Post Adjustment Plate and set the gauge to zero 0 as shown in Figure M9.

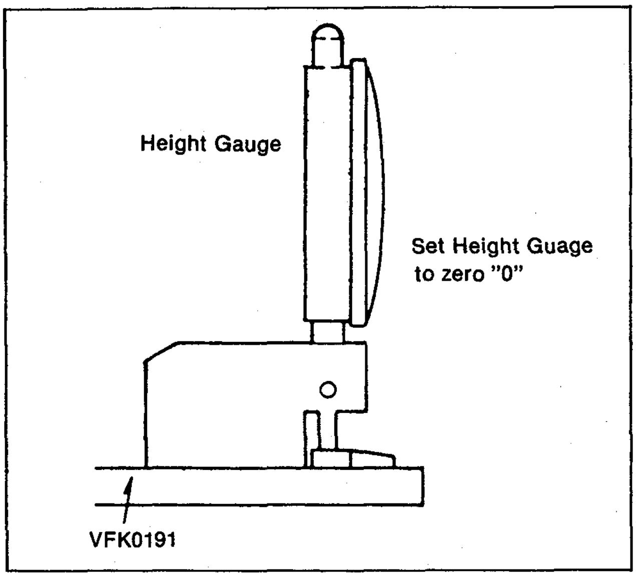


Figure M9

5. Place the Reel Table Height Gauge as shown in Figure M10 and turn the nut slowly until the gauge reads - 0.03mm +/- 0.01mm.

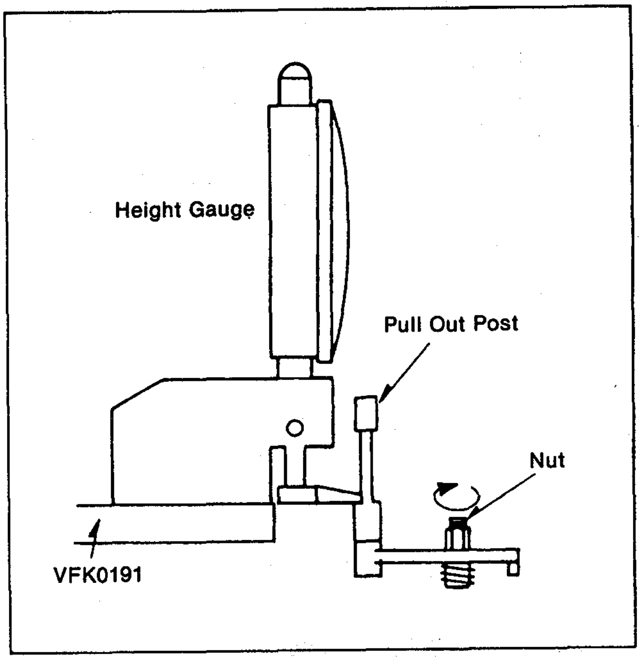


Figure M10

6. After the adjustment, install the cassette compartment. (Refer to Reinstallation of Cassette Compartment).
7. Play back a normal cassette tape on Review Search mode, and make sure that the edges of the tape are not curling or waving at the bottom end of the P4 post by using the Check Light as shown in Figure M11.

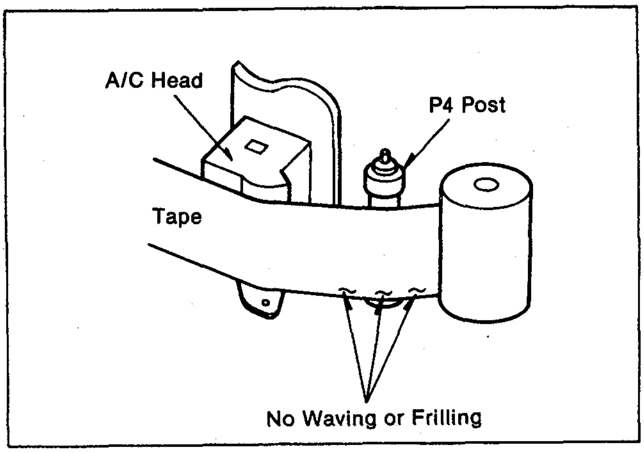


Figure M11

<<NOTE>>
There is easy method to check Waving or Frilling. If there is Waving or Frilling in the lower edge, the white black pattern which is reflected on the tape will curve or not linear as shown in Figure M12.

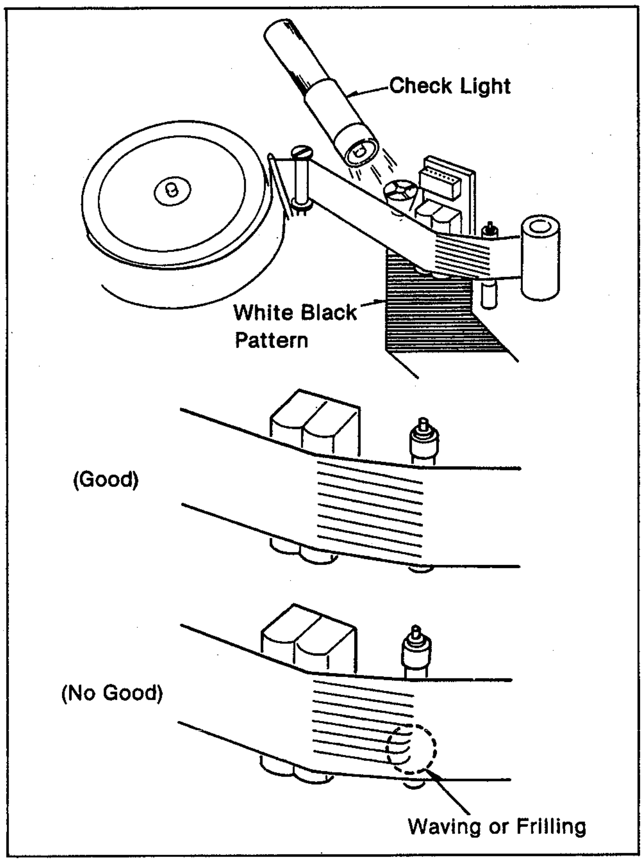

Check Light
White Black Pattern
(Good)
(No Good)
Waving or Frilling

Figure M12

8. If curling appears, readjust P5 post.

4-2-4. COARSE ADJUSTMENT OF THE A/C HEAD HEIGHT

<<NOTE>>
This procedure should be performed only when the A/C Head is replaced.

<<TOOL>>
Check Light ; VFK0343
Nut Driver ; Purchase locally

1. With the tape running, look at the lower edge of the control head by using the check light.
2. Adjust the Nut (A) as shown in Figure M13 by turning the Nut (A) clockwise to lower the head, and counter-clockwise to raise it.

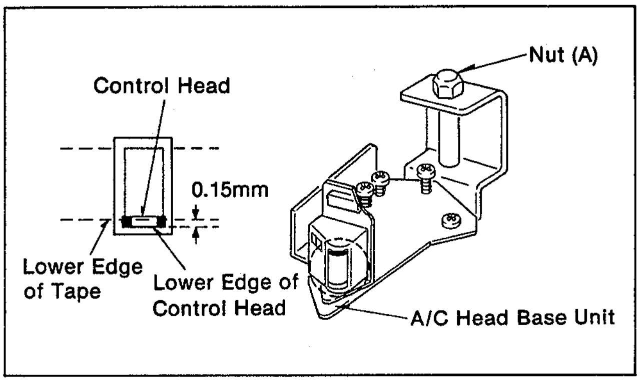

Control Head
0.15mm
Lower Edge of Tape
Lower Edge of Control Head
Nut (A)
A/C Head Base Unit

Figure M13

4-2-5. TILT & AZIMUTH ADJUSTMENT OF THE A/C HEAD

<<NOTE>>
This procedure should be performed only when the A/C Head is replaced or posts heights are readjusted.

<<TOOL>>
Alignment Tape ; VFM8180HADH
Check Light ; VFK0343
Screwdriver(+) ; Purchase locally
VHS Video Tape

1. Play back a VHS Video tape which the amount of tape winding of a Supply Reel is more than the amount of tape winding of a Take up Reel. Turn a screw (B) to clockwise until Waving or Frilling appears in the lower edge of P4 post as Figure M11.

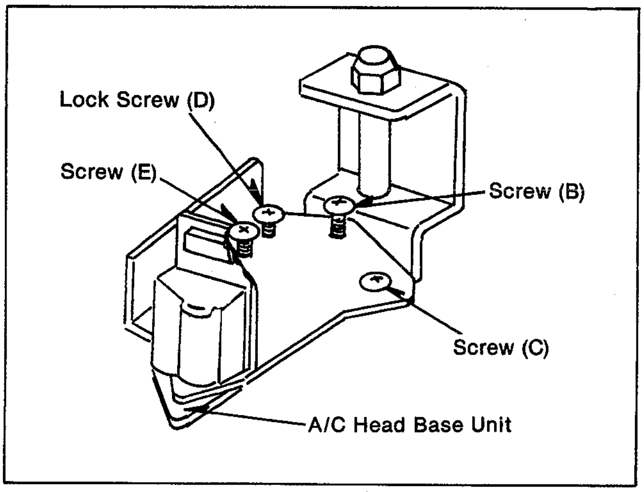


Figure M14

<<NOTE>>
There is easy method to check Waving or Frilling. If there is Waving or Frilling in the lower edge, White Black pattern which is reflected on the tape will curve or not linear. (Figure M12)

2. Turn the screw (B) to counter-clockwise until waving or frilling do not appear in the lower edge of P4 post.
3. Connect the scope CH1 to the Normal Audio Output CH1 and the scope CH2 to the Normal Audio Output CH2 on the rear panel.
4. Play back the 2-nd portion (Normal Audio 10KHz) of the alignment tape (VFM8080HQFP).
5. Adjust the screw (C) so that these phases of both channels match as shown in Figure M15.

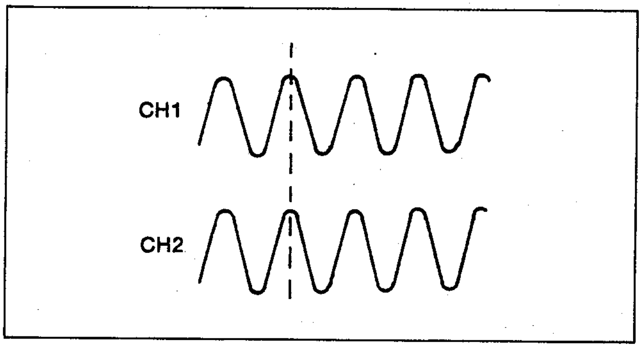


Figure M15

6. Adjust the screw (C) and (B) so that CH1 and CH2 output levels become maximum, these phases of both channels much at the same time (Figure M16). During this adjustment the Lock screw (D) does not touch the A/C Head Base as shown in Figure M17.

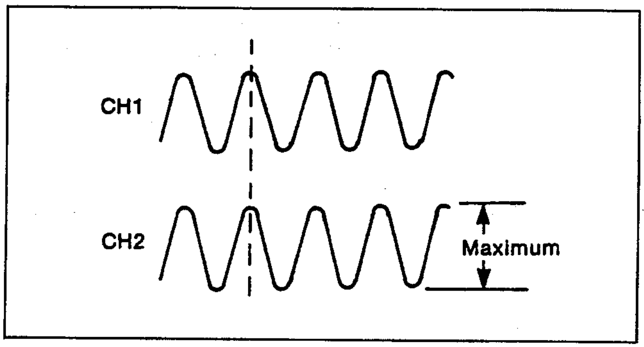


Figure M16

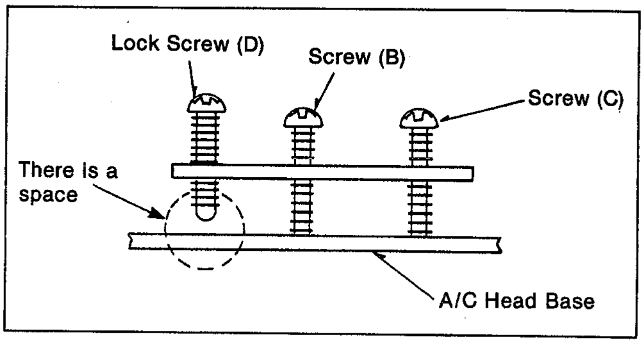


Figure M17

7. Turn the screw (C) to clockwise so that the difference of phases of both channels become 180 degrees as shown in Figure M18.

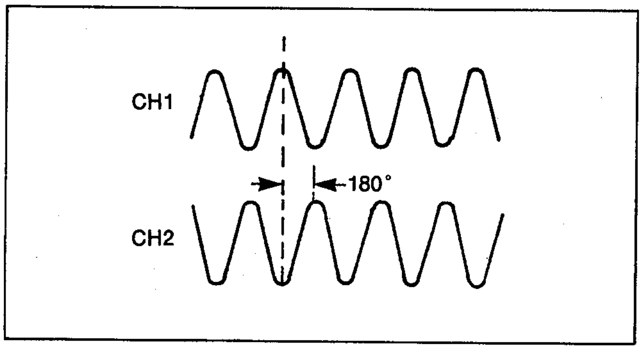


Figure M18

9. Tighten the Lock screw (D) so that these phases of both channels match as shown in Figure M15.

4-2-6. FINE ADJUSTMENT OF THE TAPE GUIDE POST HEIGHT (P2 and P3) (LINEARITY)

<<TOOL>>
Alignment Tape ; VFM8180HADH
Post Adjustment Screwdriver ; VFK0329

<<NOTE>>
Before playing back the alignment tape playback a normal cassette tape and confirm correct transport.

1. Connect the scope to TP3005 (RF) on the video (1) board and TP2201 on the servo TP board to Ext-trigger the scope.
2. Play back the 2-nd portion (Monoscope 2) of the alignment tape (VFM8180HADH)
3. Turn the Tracking Control VR and adjust for maximum VIDEO FM envelope.
4. If the RF envelope appears like example A or B in Figure M20 then adjustment of the tape guide post (P2 : Entrance) is necessary.
5. Adjust the tape guide post (P2) with the post adjustment screwdriver so that the RF envelope waveform at the entrance portion becomes flat as shown in Figure M20-C.

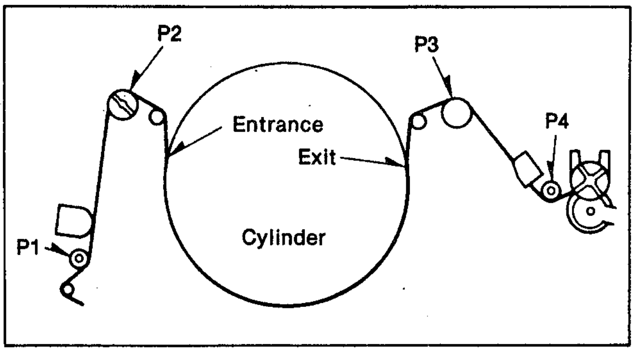

P2
P3
Entrance
Exit
P4
Cylinder
P1

Figure M19

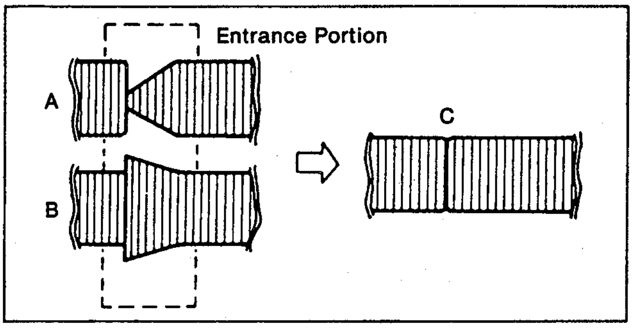

Entrance Portion
A
B
C

Figure M20

6. If the RF envelope appears like example D or E in Figure M21, then adjustment of the tape guide post (P3 : Exit) is necessary.
7. Adjust the tape guide post (P3) in the same manner as the P2 post so that the exit portion becomes flat as shown in Figure M21-F.

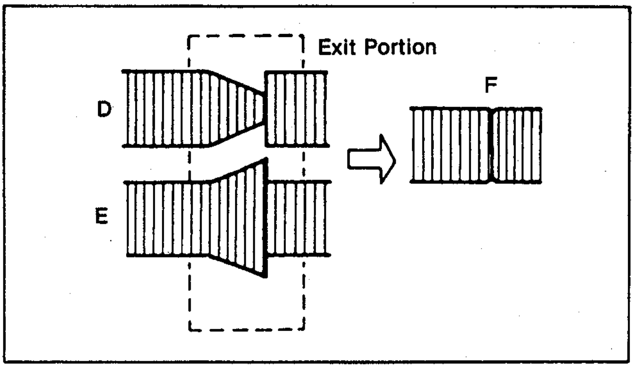

Exit Portion
D
E
F

Figure M21

8. Turn the Tracking VR fully clockwise and counterclockwise. The output envelope should vary nearly parallel with other condition as shown in Figure M22.

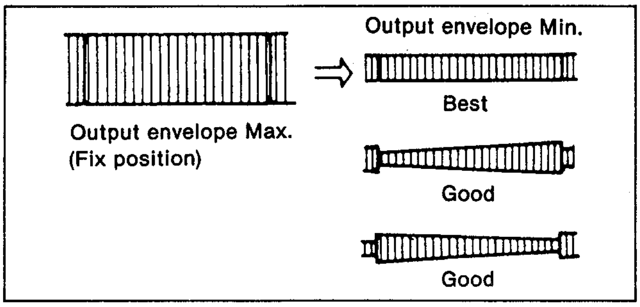

Output envelope Min.
Best
Output envelope Max.
(Fix position)
Good
Good

Figure M22

9. Turn the Tracking VR into center fix position and adjust for maximum RF envelope.
If the RF envelope does not meet these specifications,

V1/VO >= 0.7
V2/VO >= 0.8
V3/VO >= 0.7

then repeat steps 4-9 again.

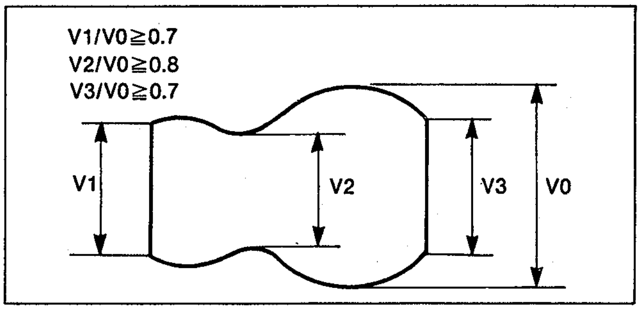

V1/V0≧0.7
V2/V0≧0.8
V3/V0≧0.7
V1
V2
V3
V0

Figure M23

4-2-7. FINE ADJUSTMENT OF THE A/C HEAD HEIGHT

<<NOTE>>

Before this adjustment 5-2-3. Coarse Adjustment of the A/C Head Height should be performed.

<<TOOL>>

Alignment Tape ; VFM8180HADH
Nut Driver ; Purchase locally

1. Connect a scope to the Normal Audio CH2 Output on the rear panel.
2. Play back the 2-nd portion (Normal Audio 10kHz) of the Alignment Tape (VFM8180HADH)
3. Adjust the Nut (A)(Figure M24) so that the CH2 output level becomes maximum as shown in Figure M25.

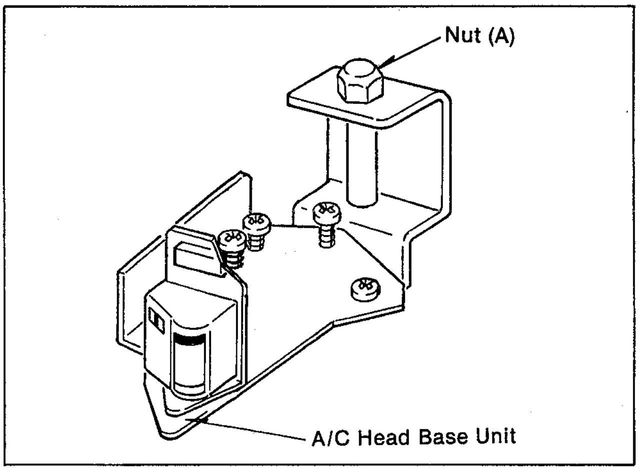


Figure M24

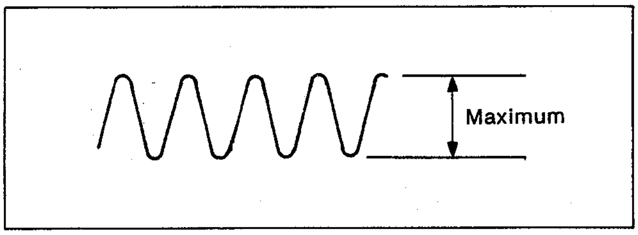


Figure M25

4-2-8. COARSE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)

<<NOTE>>

This procedure should be performed only when the A/C head is replaced, and after performing the tape interchangeability adjustment.

<<TOOL>>

H-Position Adjustment Screwdriver ; VFK0328
Alignment Tape ; VFM8180HADH

1. Set the Tracking Control VR to the center detent(fixed) position.
2. Connect a scope CH1 to TP3005 (RF) on the video (1) board, CH2 to the audio CH1 output on the rear panel.
3. Play back the 4-th position (Monoscope 3 and Audio / Every 10-th field is skipped) of the Alignment tape VFM8080HQFP.
4. Adjust the A/C head horizontal position screw so that the phase of audio drop out and video RF envelope drop-out becomes the same as shown in Figure M26.

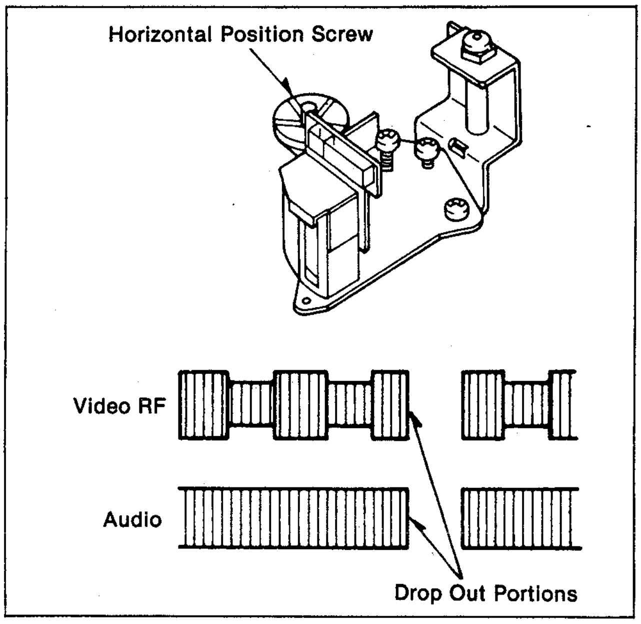


Figure 3-26 Horizontal Position Adjustment of A/C Head

<<NOTE>>

After completion the fine adjustment of the A/C head horizontal position, the phase of Audio drop-out and Video RF envelope drop-out may be changed slightly.

4-2-9. FINE ADJUSTMENT OF THE A/C HEAD HORIZONTAL POSITION (X-VALUE)

<<NOTE>>

This procedure should be performed only when the A/C head is replaced, and after performing the tape interchangeability adjustment.

<<TOOL>>

H-Position Adjustment Screwdriver ; VFK0328
Alignment Tape ; VFM8180HADH

1. Set the Tracking Control VR to the center fix position.
2. Connect a oscilloscope to Video RF test Terminal on the Front Panel.
3. Play back the 2-nd portion (Monoscope 2) of the alignment tape (VFM8180HADH)
4. Adjust the Horizontal Position Screw (Figure M25) of A/C head so that the RF signal becomes maximum level as shown in Figure M27.

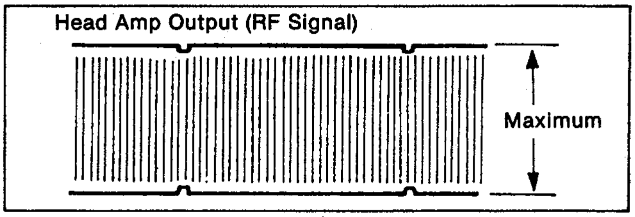


Figure M27

4-3. OTHER MECHANICAL ADUSTMENT PROCEDURES

4-3-1. MEASUREMENT AND ADJUSTMENT OF BACK TENSION

<<TOOL>>
Back Tension Meter ; VFK0132
VHS Cassette Tape (180 min. tape not S-VHS tape)

A. FWD Tension Adjustment

<<SPEC>>
23g to 27g

1. Play back the cassette tape from the beginning and wait until the tape movement get the stabilization. (for approx. 10 to 20 seconds)
2. Pull the Impedance Roller in the direction indicated the arrow in Figure M28 secure it with a piece of adhesive tape.
3. Insert the Back Tension Meter into the path of a tape, and measure the back tension.

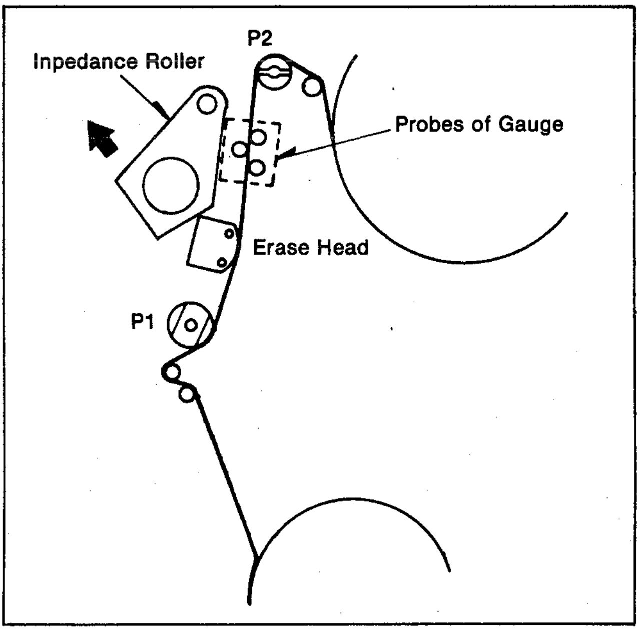


Figure M28 Measurement of Back Tension

4. If it is out of specification, replace the Tension spring.

B. Rev Tension Adjustment

<<SPEC>>
30g to 60g

1. Play back the beginning of E180 VHS cassette in the Reverse play mode and wait for approx. 10 to 20 seconds so that the tape movement is stabilized.
2. Pull the Impedance Roller in the direction indicated by the arrow in Figure M28 secure it with a piece of adhesive tape.
3. Insert the Back Tension Meter into the path of a tape, and measure the back tension.
4. If it is out of specification, replace the Tension spring.

<<NOTE>>
While measuring, make sure that the three probes of the meter are all in good contact with the tape.
As the tension meter is very sensitive, we recommend taking 3 separate readings.

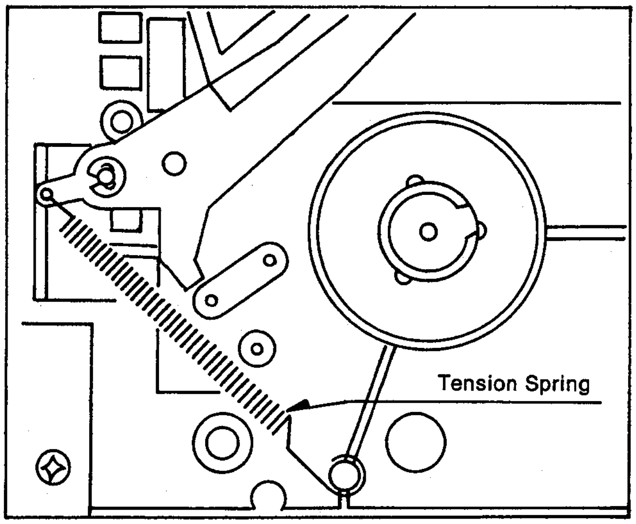


Figure M29

4-3-2. HEIGHT ADJUSTMENT OF THE REEL TABLES

<<TOOL>>
Post Adjustment Plate ; VFK0191
Reel Table Height Gauge ; VFK0190

<<SPEC>>
0 - 0.15mm

1. Remove the cassette compartment.
2. Place the Post Adjustment Plate on the reel tables.
3. Place the Reel Table Height Gauge on the plate so that the scraper of the gauge touches the cut-out portion of the plate, then set the gauge to zero 0 as shown in Figure M30.

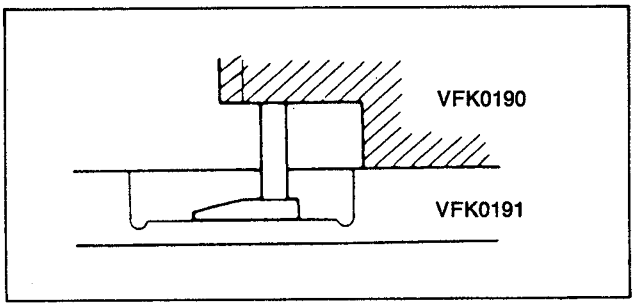


Figure M30

4. Measure the height of the top surface of either Reel Table and note the difference in height from the plate cut-out. (Figure M30 and M31) Repeat this procedures for the other Reel Table.

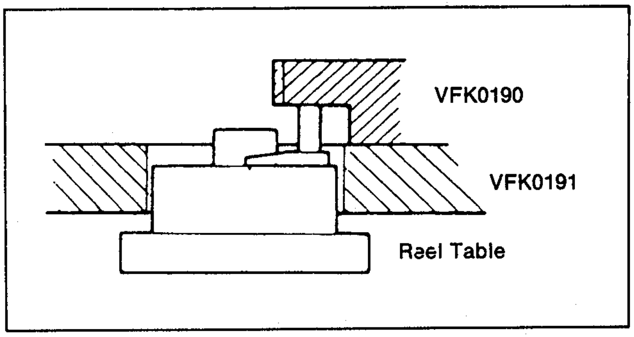


Figure M31

5. If the difference of Supply Reel table is more than 0.15mm higher or lower, replace the Supply Reel table. When the difference of Take Up Reel table is more than 0.15mm higher or lower, adjust nut (A)(Figure M32) so that measurement becomes the spec. If you can not adjust to the spec., replace Take Up Reel table.

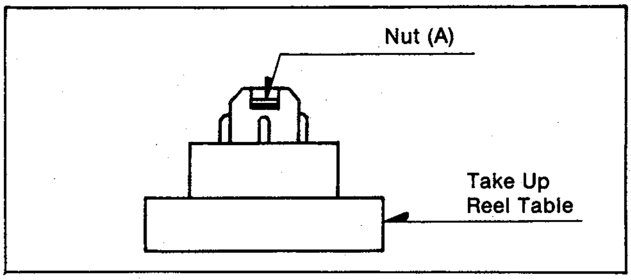


Figure M32

<<NOTE>>
When replacing the tables, the DD Reel Unit needs to be removed from the chassis.
Remove 6 screws and carefully lift it out as shown in Figure M33.

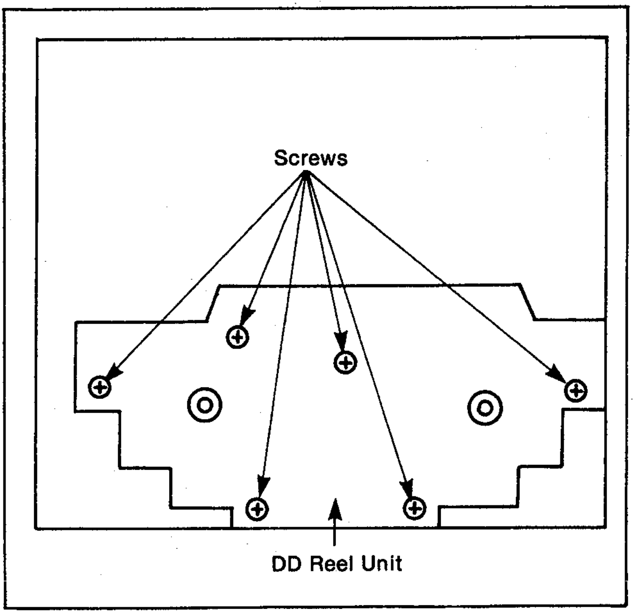


Figure M33 Bottom View of DD Reel Unit

<<NOTE>>
When assembling the DD Reel Unit, slide a Main Rod to far left side by rotating the Center Gear, and then screw the 6 screws.

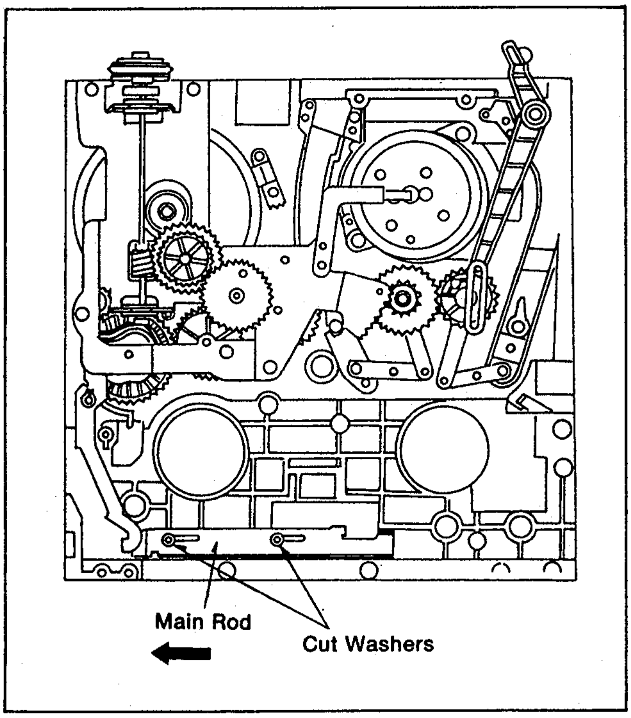


Figure M34

4-3-3. ADJUSTMENT OF THE CAPSTAN THRUST GAP

<<TOOL>>
Reel Table Height Gauge ; VFK0190
Height Adjustment Fixture ; VFK0344

<<SPEC>>
0.5mm +/- 0.05mm

1. Turn a Thrust Adjust Screw slightly until the capstan rotor unit just touches the coil of the capstan stator unit.

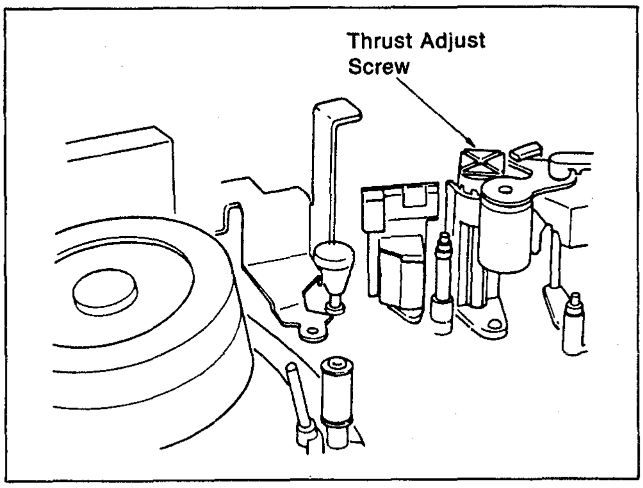

Thrust Adjust
Screw

Figure M35

2. Unscrew 4 screws and remove the Gear Base Unit.
3. Set the Height Adjustment Fixture on the capstan Rotor unit as shown Figure M36.

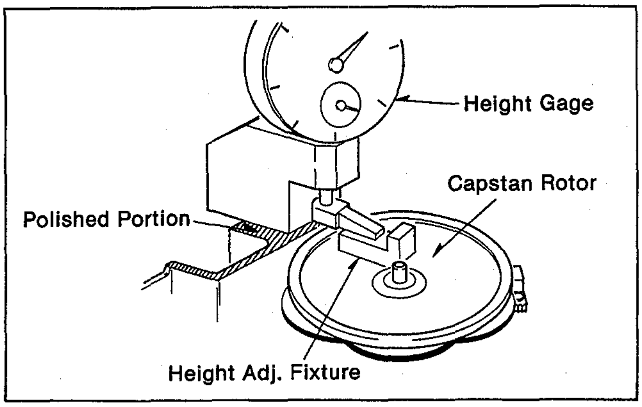

Height Gage
Capstan Rotor
Polished Portion
Height Adj. Fixture

Figure M36

4. Adjust the Thrust Adjust screw so that the thrust gap becomes 0.5mm +/- 0.05mm.

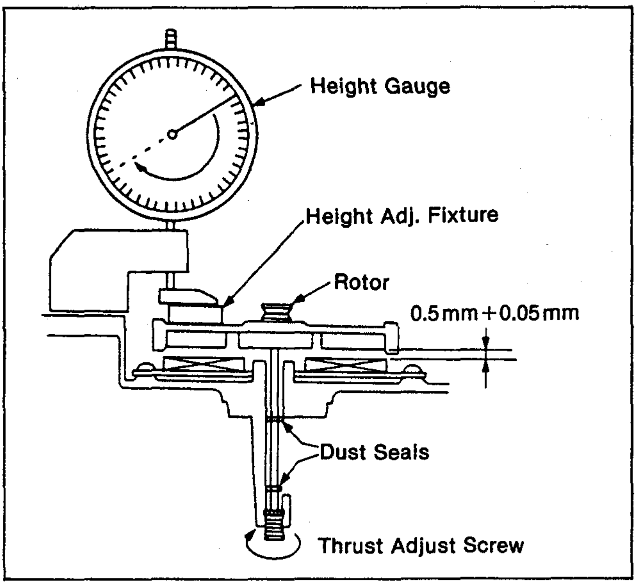

Height Gauge
Height Adj. Fixture
Rotor
0.5mm+0.05mm
Dust Seals
Thrust Adjust Screw

Figure M37

4-3-4. MEASUREMENT AND ADJUSTMENT OF THE BRAKE TORQUE

<<TOOL>>

Torque Gauge ; VFK0133
Adapter for Gauge ; VFK0134

1. Remove the top cover and the cassette compartment.
2. Attach the adapter to the torque gauge and place the deck in STOP mode (Subloading mode).
3. Place the torque gauge on the reel table as shown in Figure M38. The weight of the gauge should not rest on the reel table.
4. Turn the torque gauge in the direction indicated in Figure M39 until the brake begins slipping and read the gauge.

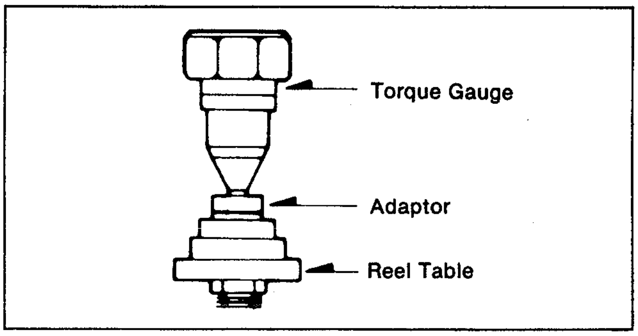
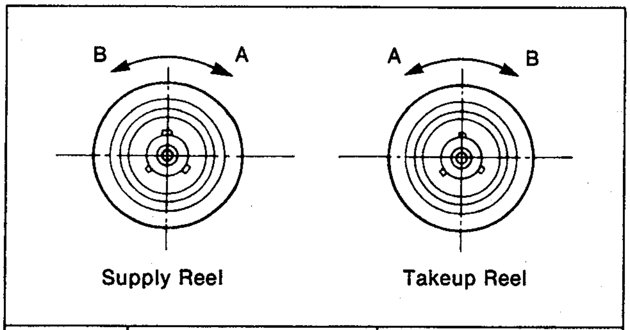


Figure M38 Measuring Method



	A	B
Takeup	more than 550g-cm	more than 50g-om
Supply		more than 40g-cm

Figure M39 Specification of Brake Torque

5. If it is out of specification, replace the Brake Spring.

<<NOTE>>

If the proper brake torque cannot be obtained by replacing the Brake Spring, clean the braking surface of the reel table with a soft cloth and re-measure the brake torque. If its still out of specification, replace the Main Brake (S) or (T) Unit.

4-3-5. ADJUSTMENT OF PRESSING FORCE OF PRESSURE ROLLER UNIT

<<TOOL>>

Fan Taype Tension Gauge ; VFK66
Fine Adj. Screwdriver ; VFK0330
VHS 180 min. Cassette Tape

<<SPEC>>

930g +/- 70g

1. Remove the Cassette Compartment.
2. Play back the end portion of VHS (180 min.) tape.
3. Insert a Fine Adj. Screwdriver in the hole (C).
4. Slightly losen the screw (B).
5. Set the Fan Type Tension Gauge to the part (A) of Pinch Roller Unit.
6. Press the Arm with the Gauge, in the direction indicated by the arrow as show in Figure M40.
7. Adjust the Solenoid Base so that the reading of the Tension Gauge is 930g +/- 70g at the moment of the tape running stop.

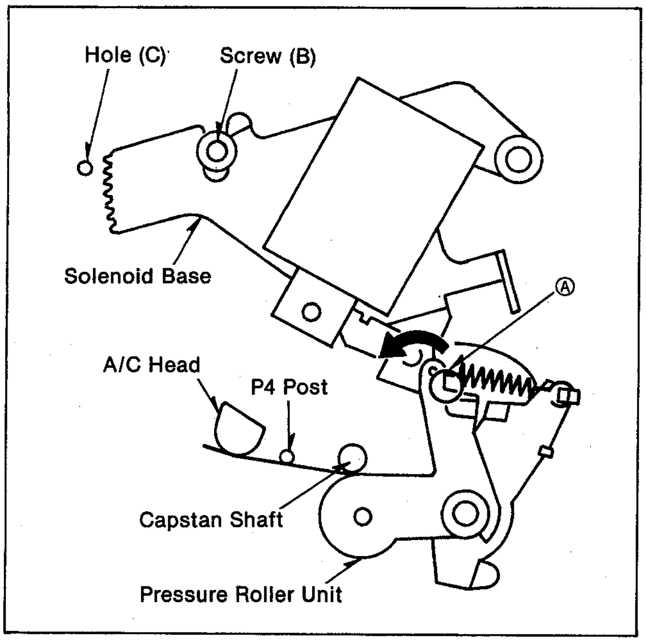


Figure M40

4-3-6. ADJUSTMENT OF THE REV. TENSION SENSOR POSITION

<<TOOL>>

Tension Sensor Adj. Fixture ; VFK0578
Tension Post Adj. Plate ; VFK0236
Fine Adj. Screwdriver ; VFK0330
Digital Volt Meter ; Purchase locally

<<NOTE>>

Assemble a Tension Sensor Adjustment Fixture (VFK0578) and a Tension Post Adj Plate (VFK0236) as shown in Figure M41.

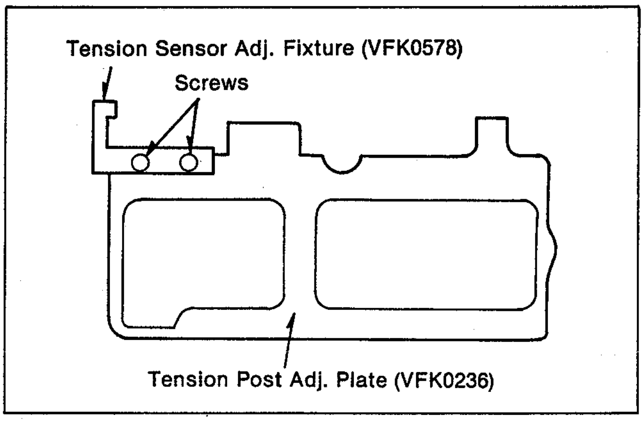

Tension Sensor Adj. Fixture (VFK0578)
Screws
Tension Post Adj. Plate (VFK0236)

Figure M41

1. Remove the Top Plate and Cassette Holder Unit. (refer to Disassemble Procedures)

<<NOTE>>

Do not disconnect 4Pin (exept 2P) flat wire from connector P1508 on the right side of Cassette Compartment.

2. Push the Sub Wiper Arm (R) to direction of Cassette loading.
   Then the Sub Wiper Arm (R) goes down itsedlf and mode of machine change to STOP.
3. Turn the Power switch off.
4. Remove the Cassette Compartment (refer to Disassmbly Procedures) and disconnect 4Pin flat wire form P1508.
5. Connect the V.T.V.M. or D.V.M. to TP2502 on the Reel Servo C.B.A.
7. Place the Tension Post Position Adjustment Plate with the Fixture over the reel tables as shown in Figure M42.

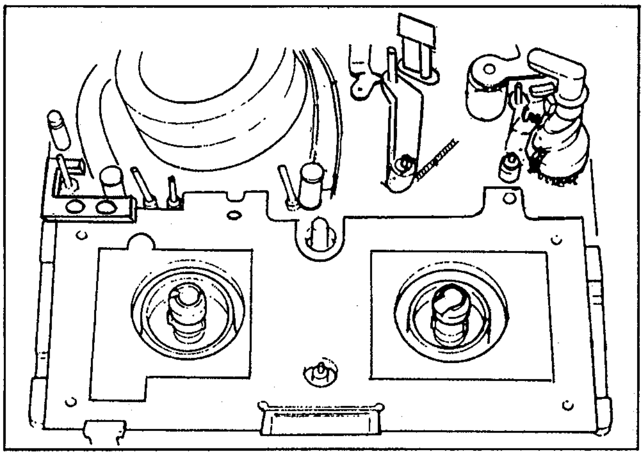


Figure M42

8. Turn the Power switch on.
9. Slightly loosen 2 screws (C). Insert a Fine Adj. Screwdriver in the hold (D). (Figure M43)

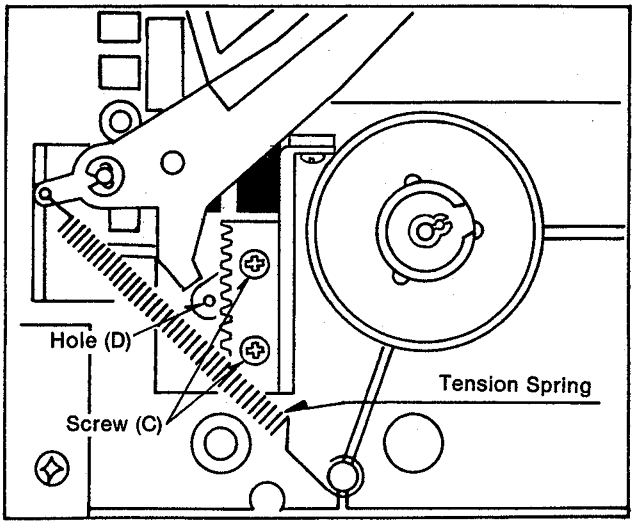


Figure M43

10. Adjust the Rev Sensor Position so that measurement becomes D.C. 2.0V to 2.5V.
11. Remove the Tension Sensor Fixture.
12. Reinstall the Cassette Compartment.
13. Confirm Playback picture (Rev Playback mode, Playback mode etc.)

4-3-7. ADJUSTMENT OF THE FG HEAD GAP

<<SPEC>>

0.17mm to 0.18mm

1. Slightly loosen 2 screws. (Figure M44)
2. Put the paper which is used for cover page of this volume into the gap between F.G. Head and Capstan rotor. (The thickness of the cover page is approx. 0.17mm).
3. After adjustment, tighten 2 screws.

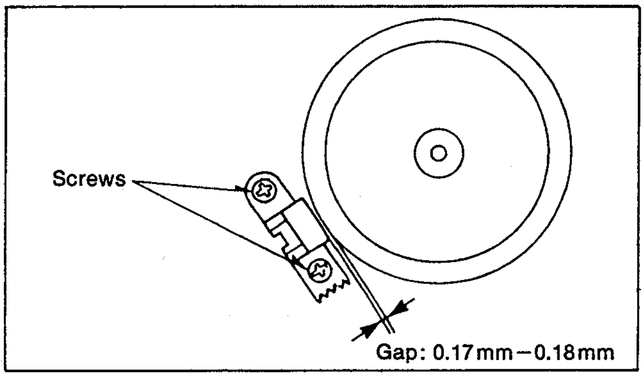


Figure M44

<<NOTE>>

Do not touch the surface of rotor and keep any magnetizable material away.

4-4. ASSEMBLY AND ADJUSTMENT PROCEDURES OF MECHANISM

The mechanism of this model is mostly engaged to the System Control Circuit, through the mode select switch.
Therefore the relation between the mode select switch and the cam gear decides all further mechanical movement of the mechanical parts such as levers, gears, rollers and so on.
If these parts are not fixed properly, the unit will be unloaded or compulsorily stopped.
And it will result being damaged at any mechanical or electrical parts.
The overall mechanical condition (alignment) of bottom and top view are shown in Figure M45 and Figure M46. This mechanical adjustment is performed in the STOP mode.

4-4-1. CONFIRMATION OF ALIGNMENT CONDITION

1. Remove the Loading Belt.
2. Unscrew 4 screws and remove the Gear Base Unit.(Figure M45)
3. Turn the Center Gear to counter-clockwise until 2 big holes of Center Gear align with 2 big holes of Retainer Gear and Ring Gear and Chassis as shown in Figure M47.
4. Identification hole on the Mode Select Switch at 6 oclock position and aligned with small hole on Pinch Cam as shown in Figure M46.
5. P5 Arm is completely loading position and the Inclined Base (S) and (T) are completely unloading position.
6. Small hole on Sub Cam Gear should align with small hole on the Connection Gear and rectangular mark on the Connection Gear should be at a 3 oclock position.
7. Pressure Roller Unit is UP position.

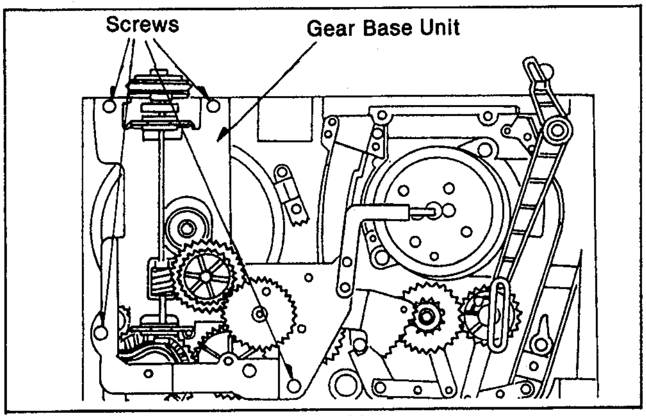

Screws
Gear Base Unit

Figure M45

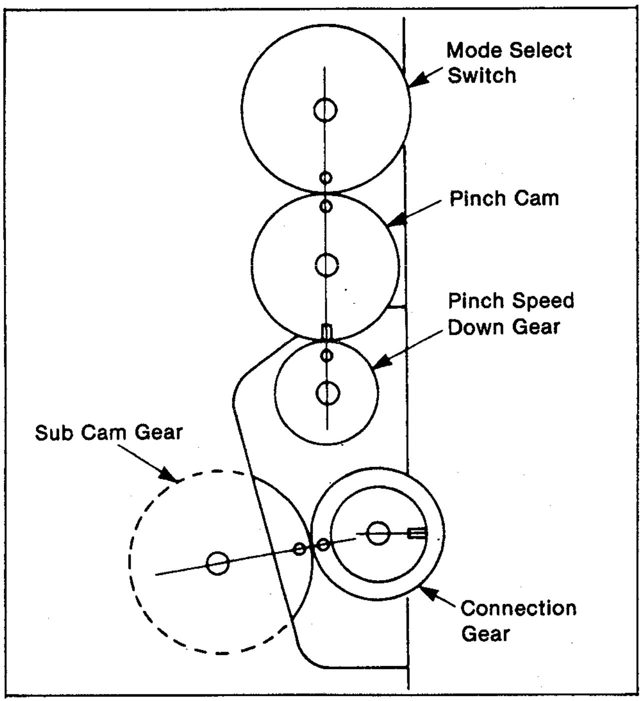

Mode Select Switch
Pinch Cam
Pinch Speed Down Gear
Sub Cam Gear
Connection Gear

Figure M46 Top View of Overall IQ-Mechanical Condition

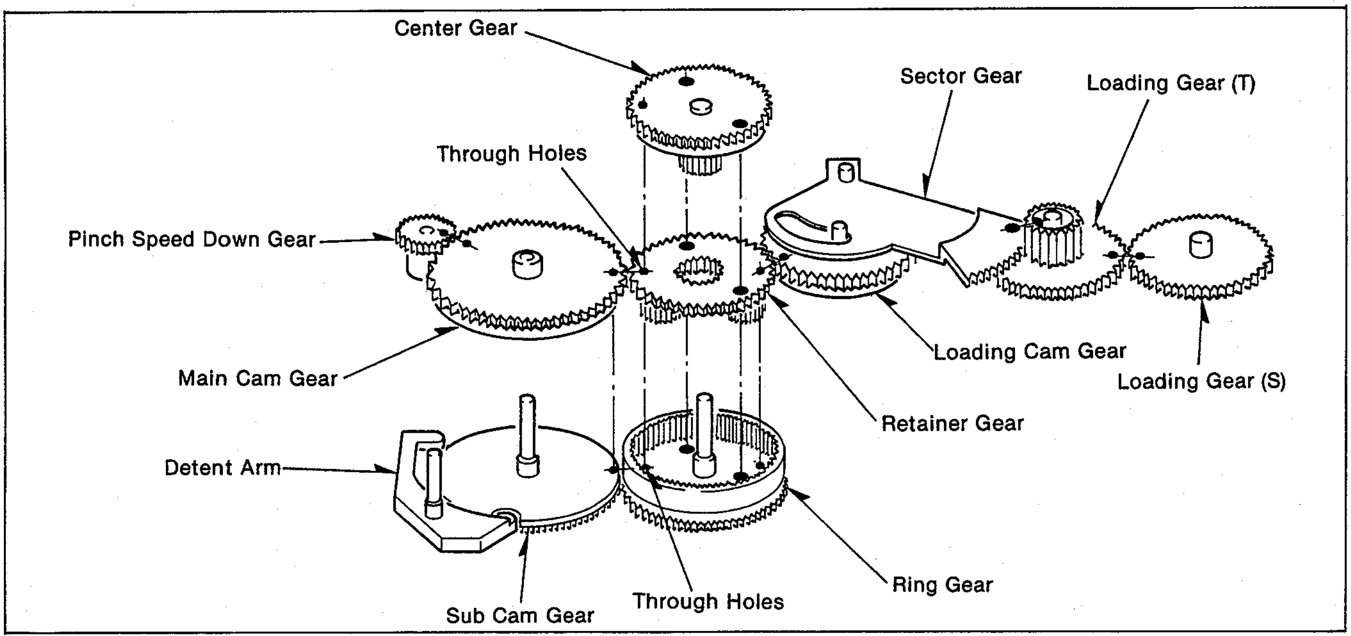

Center Gear
Sector Gear
Loading Gear (T)
Through Holes
Pinch Speed Down Gear
Loading Cam Gear
Loading Gear (S)
Main Cam Gear
Retainer Gear
Detent Arm
Ring Gear
Sub Cam Gear
Through Holes

Figure M47 Bottom View of Overall Mechanical Condition

4-4-2. ASSEMBLY PROCEDURES OF SUB CAM GEAR,RING GEAR AND DETENT ARM

1. Install the Ring Gear so that the two holes on the Ring Gear align with the two holes on the chassis as shown in Figure M48.
2. Install the Sub Cam Gear so that the large hole on Sub Cam Gear aligns with the hole on chassis. Also the small hole (located just outside of large hole) on Sub Cam Gear should align with the hole on Ring Gear as shown in Figure M48.
3. Confirm that the small hole on Sub Cam Gear is aligned with the small hole on Connection Gear as shown in Figure M46 (In case of the Connection Gear is already installed).
4. Install the Detent Arm and make sure Detent Arm seats perfectly in detent of Sub Cam Gear as shown in Figure M48.

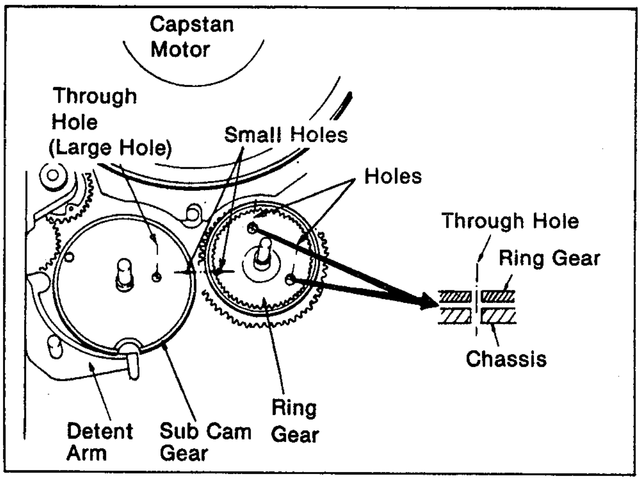

Capstan Motor
Through Hole (Large Hole)
Small Holes
Holes
Through Hole
Ring Gear
Chassis
Detent Arm
Sub Cam Gear
Ring Gear

Figure M48

4-4-3. ASSEMBLY PROCEDURES OF MAIN CAM GEAR AND PINCH 1 SPEED DOWN GEAR

1. Install the Main Cam Gear onto the Sub Cam Gear so that the small hole on the Main Cam Gear aligns with small hole on the Ring Gear as shown in Figure M49.
2. Insert a retaining ring.
3. Install the Pinch Speed Down Gear from top side of chassis so that the small hole on the Main Cam Gear aligns with small hole on the Pinch Speed Down Gear as shown in Figure M49.

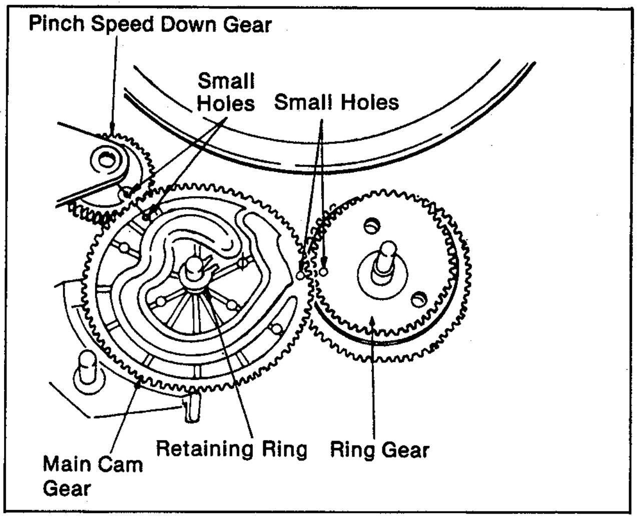

Pinch Speed Down Gear
Small Holes
Small Holes
Main Cam Gear
Retaining Ring
Ring Gear

Figure M49

4-4-4. ASSEMBLY PROCEDURES OF LOADING CAM GEAR AND RETAINER GEAR

1. Install the Retainer Gear onto the Ring Gear so that the two holes on the Retainer Gear align with the two holes on the Ring Gear, at this time, small hole on the Main Cam Gear should aligns with small hole on the Retainer Gear as shown in Figure M50.
2. Install the Loading Cam Gear so that the small hole which is directly outside of the large hole on the Loading Cam Gear is aligned with the outside hole of the Retainer Gear as shown in Figure M50.

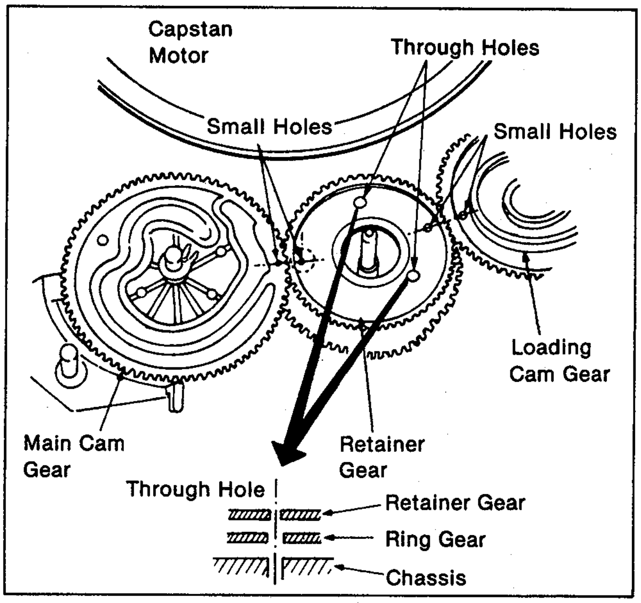

Capstan Motor
Through Holes
Small Holes
Small Holes
Loading Cam Gear
Main Cam Gear
Retainer Gear
Through Hole
Retainer Gear
Ring Gear
Chassis

Figure M50

4-4-5. ASSEMBLY PROCEDURES OF CENTER GEAR

1. Softly install the Center Gear onto the Retainer Gear so that the two holes in the Center Gear align with the holes on the Retainer Gear, then install the cut washer as shown in Figure M51.

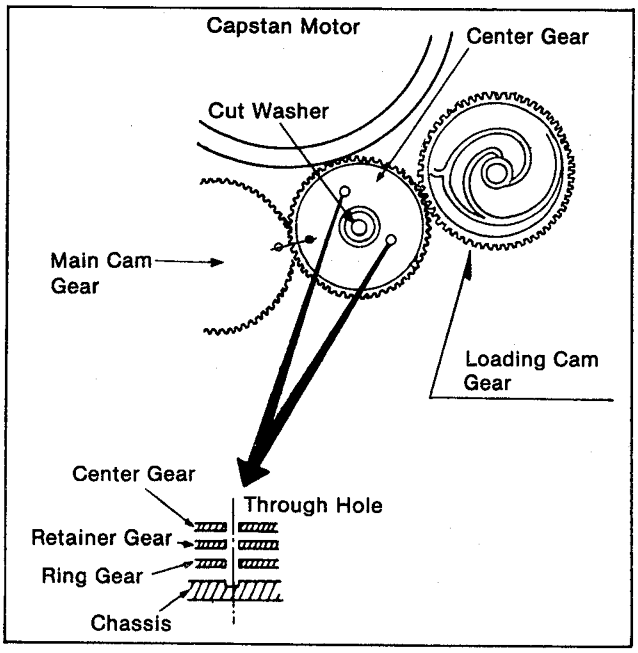

Capstan Motor
Center Gear
Cut Washer
Main Cam Gear
Loading Cam Gear
Center Gear
Through Hole
Retainer Gear
Ring Gear
Chassis

Figure M51

4-4-6. ASSEMBLY PROCEDURES OF MAIN LEVER AND CAM FOLLOWER ARM UNIT

1. Install the Main Rod and then insert the cut washers as shown in Figure M52.
2. Install the Cam Follower Arm so that the pin of the Cam Follower Arm inserts into the groove of the Main Cam Gear and also inserts into the slot on the Main Rod, insert the retaining ring.

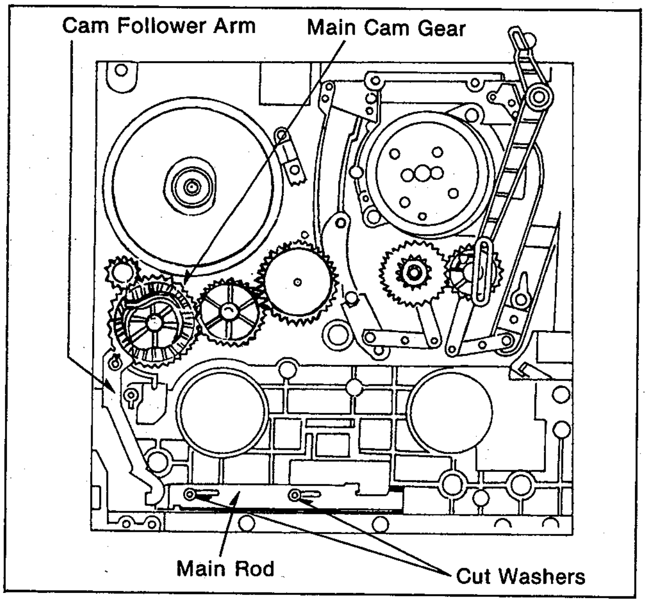

Cam Follower Arm
Main Cam Gear
Main Rod
Cut Washers

Figure M52

4-4-7. ASSEMBLY PROCEDURES OF LOADING GEAR (T) ,LOADING GEAR (S) AND SECTOR GEAR

1. Set the P2 and P3 posts to fully unloaded position, then install the Loading Gear (T) and (S) so that the outer hole on the Loading Gear (T) aligns with the outer hole on the Loading Gear (S) as shown in Figure M53.
2. Install the Sector Gear so that the outer hole in the Sector Gear aligns with the projection mark on Loading Gear (T).
3. Insert 3 retaining rings as shown in Figure M54.

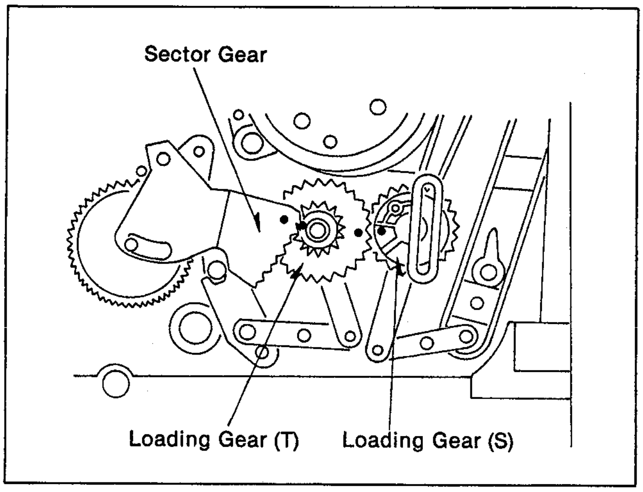

Sector Gear
Loading Gear (T)
Loading Gear (S)

Figure M53

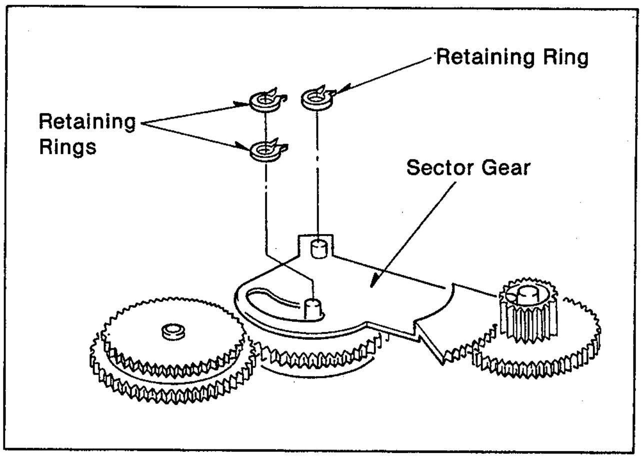

Retaining Ring
Retaining Rings
Sector Gear

Figure M54

4-4-8. ASSEMBLY PROCEDURES OF CONNECTION GEAR

<<NOTE>>
Before assembling, Sub Cam Gear position (and positions of bottom side gears) must be correct as described before (Figure M46).

1. Install the Connection Gear so that the small hole on the Connection Gear aligns with the small hole on the Sub Cam Gear as shown in Figure M55.

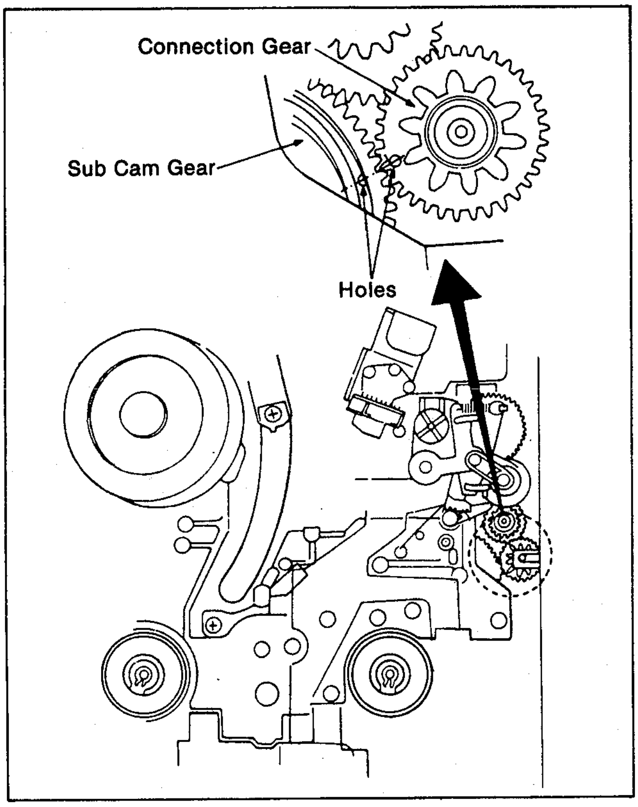

Connection Gear
Sub Cam Gear
Holes

Figure M55

4-4-9. ASSEMBLY PROCEDURES OF MODE SWITCH AND P5 PULL OUT SECTOR GEAR

1. Turn the Center Gear to unloading position.
2. Install the Mode Select Switch and tighten the mounting screw, then solder the 5 soldering portions.
3. Install the P5 Pull Out Sector Gear so that the hole of P5 Pull Out Sector Gear aligns with the tip of gear at P5 Arm as shown in Figure M56.

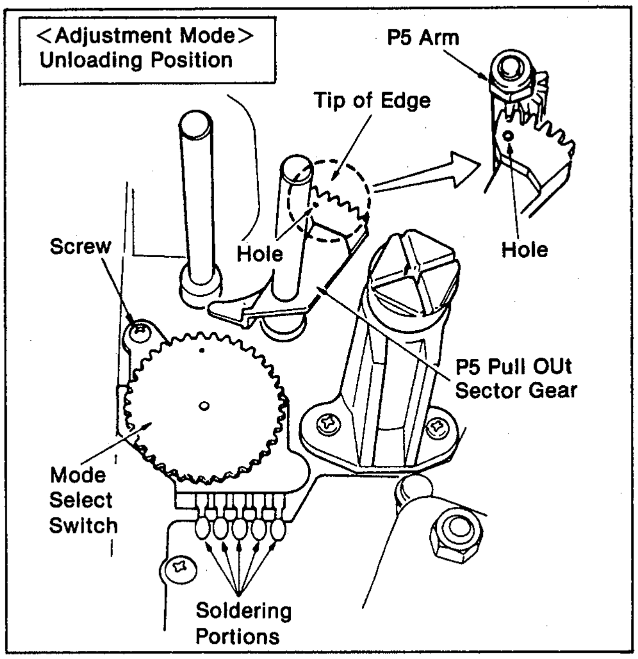

<Adjustment Mode>
Unloading Position
P5 Arm
Tip of Edge
Screw
Hole
Hole
P5 Pull OUt
Sector Gear
Mode
Select
Switch
Soldering
Portions

Figure M56

4-4-10. ASSEMBLY PROCEDURES OF PINCH CAM AND PRESSURE ROLLER UNIT

1. Install the Pinch Cam while pushing the P5 post forward. The gear of the Pinch Cam should drop to a seated position. In this position make sure hole in the Mode Select Switch aligns with small hole on the Pinch Cam, also the small rift on the Pinch Cam should align with the hole on the Pinch Speed Down Gear as shown in Figure M57.
2. Install the Pressure Roller Unit. Make sure the seats perfectly onto the Pinch Cam, then install the Pinch Cam Cap.

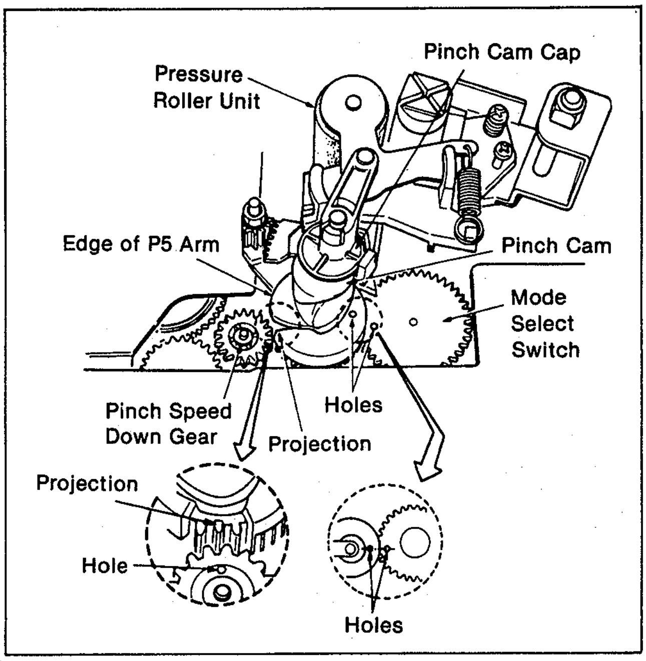

Pinch Cam Cap
Pressure
Roller Unit
Edge of P5 Arm
Pinch Cam
Mode
Select
Switch
Pinch Speed
Down Gear
Holes
Projection
Projection
Hole
Holes

Figure M57

4-4-11. ASSEMBLY PROCEDURES OF GEAR BASE UNIT

1. Install the Gear Base Unit and screw 4 screws as shown in Figure M58.

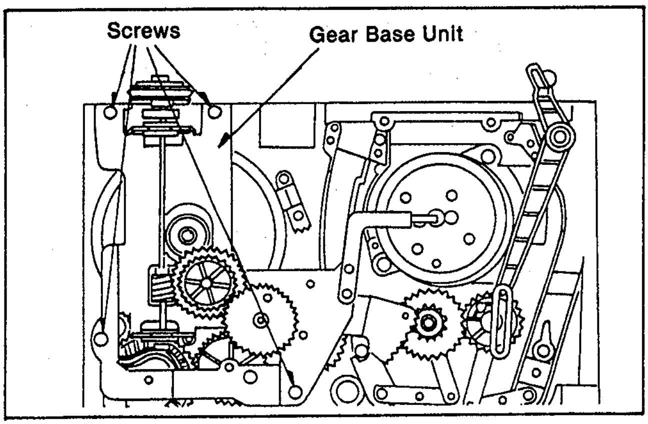


Figure M58

<<NOTE>>
The Gear Base Unit has 2 gears and wormshaft. There is no adjustment for these gears.

4-4-12. REINSTALLATION OF CASSETT COMPARTMENT

When you reinstall the cassette compartment, the position adjustment of mechanism is necessary for correct operation, as follows.

A. Confirmation of STOP Alignment Condition

1. Turn the Wormshaft counter-clockwise or clockwise until mechanism is placed into the Alignment Condition as following conditions.
   a) Identification hole on the Mode Select Switch at 6 oclock position and aligned with small hole on Pinch Cam. (Figure M57)
   b) P5 Arm is completely loading position and the Inclined Base (S) and (T) are completely unloading position.
   c) Small hole on Sub Cam Gear should align with small hole on the Connection Gear (Figure M55) and rectangular mark on the Connection Gear should be at a 3 oclock position.
   d) Pressure Roller Unit is UP position.

B. Confirmation of Cassette Compartment

1. Confirm that the Cassette Compartment is aligned properly. In the EJECT position (Cassette Holder up and advanced to the front) the two V-shaped marks on the slide switch should align. The slide switch is located on the right side of the Cassette Assembly towards the rear as shown in Figure M59.

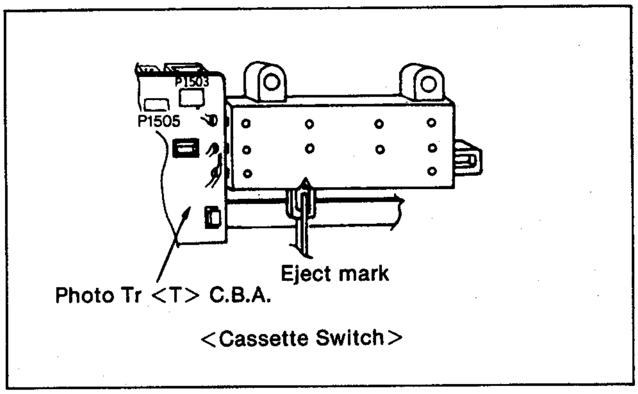


Figure M59

2. Remove 3 screws (A) as shownin Figure M60.
3. Take the top plate out.
4. Take the cassette Holder unit out as shown in Figure M61.

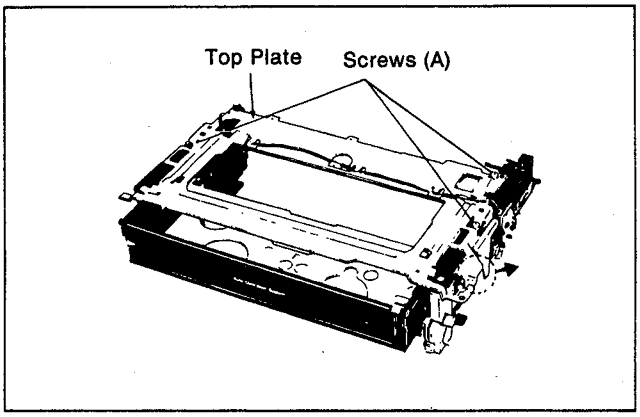


Figure M60

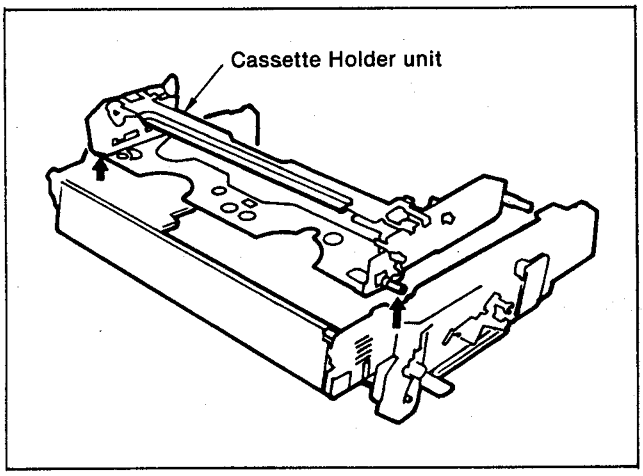


Figure M61 Removal of cassette holder unit

5. Press the sub wiper arm (R) to direction indicated by arrow so that the sub wiper arm (R) comes to cassette down position (STOP) completelyas shown in Figure M62 and keepit.
   In this position, the arrow on the Sub Wiper Arm (R) should align with the arrow on the Rack (A)(1) Unit as shown in Figure M63.

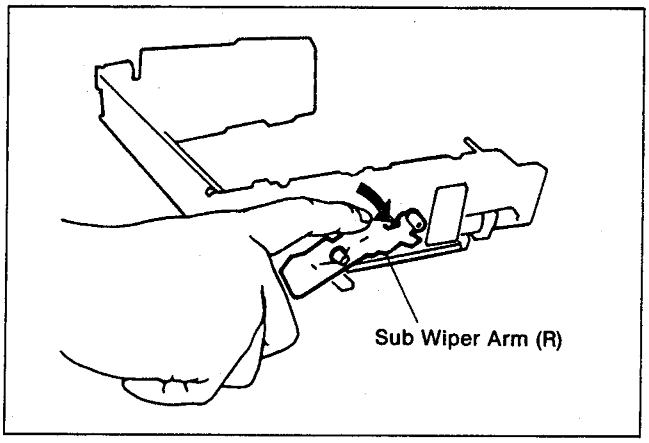

Sub Wiper Arm (R)

Figure M62

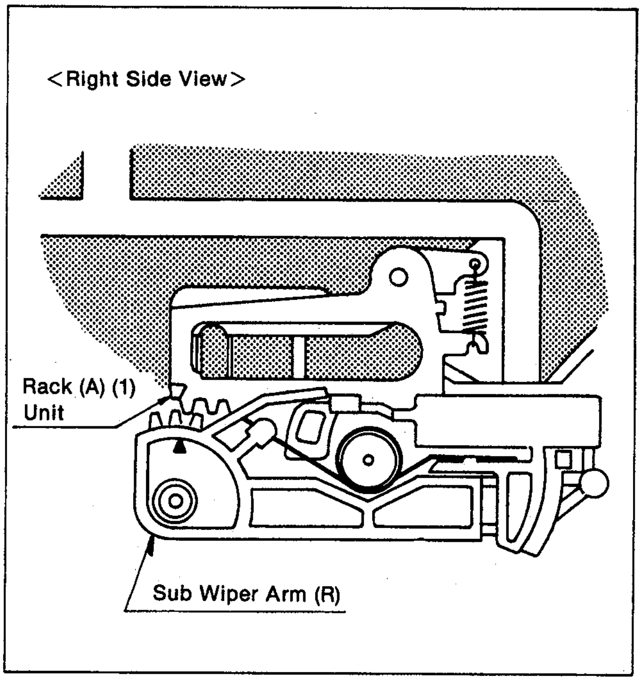

<Right Side View>
Rack (A) (1) Unit
Sub Wiper Arm (R)

Figure M63

6. If the Cassette Compartment is not aligned, re-alignment may be accomplished by pushing the Main Shaft Unit to the right (gently) and pushing the front of the Rack Unit to the left. This procedure will disengage the teeth of the Rack Gear from the teeth on Sub Wiper Arm assembly. This will allow you to change the positional relationship between the Sub Wiper Arm Assembly and Rack Unit. This procedure is best attempted in the EJECT position. Once this is done, check for smooth operation of the compartment by inserting a cassette, and pushing in, and down.

C. Installation Procedure

1. Bring loading mechanism to the STOP (Sub-load) position.
2. Confirm that the chassis is aligned properly for Alignment Condition as shown in Figure M46 and M47.
3. Put the Sub Wiper Arm (R) in its full down position (Sub Wiper Arm should rest on plastic protrusion on the bottom of the right side plate).
4. Install the cassette compartment (without cassette holder) to chassis so that the rectangular marking (or slot) on the connection gear should be line up with first tooth of the Rack Gear as shown in Figure M64 and M65.

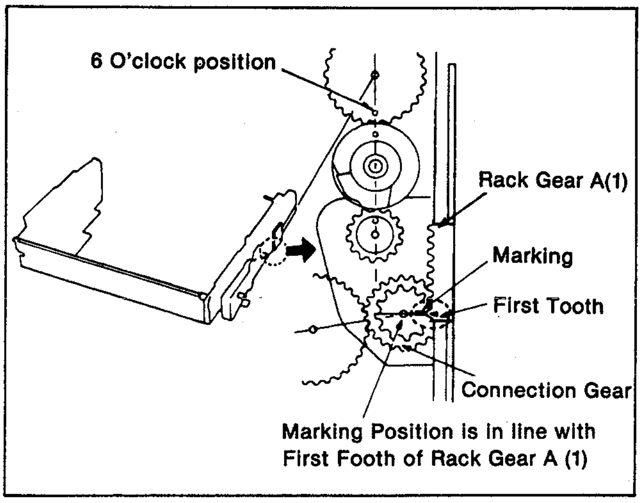

6 O'clock position
Rack Gear A(1)
Marking
First Tooth
Connection Gear
Marking Position is in line with First Footh of Rack Gear A (1)

Figure M64

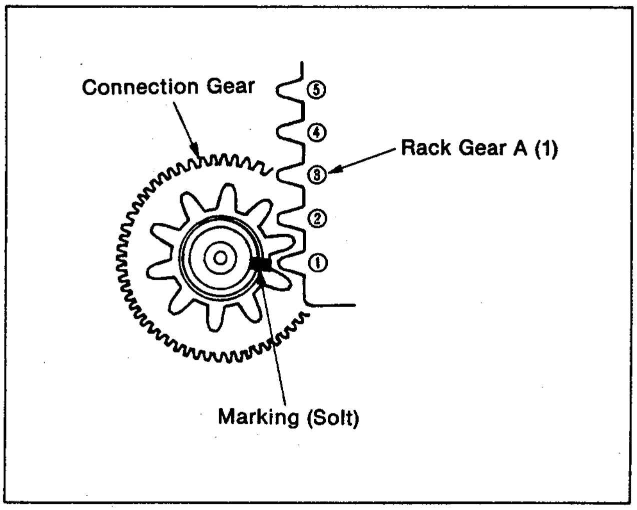

Connection Gear
⑤
④
③
②
①
Rack Gear A (1)
Marking (Solt)

Figure M65

5. Tighten the 4 screws (D) as shown in Figure M66.

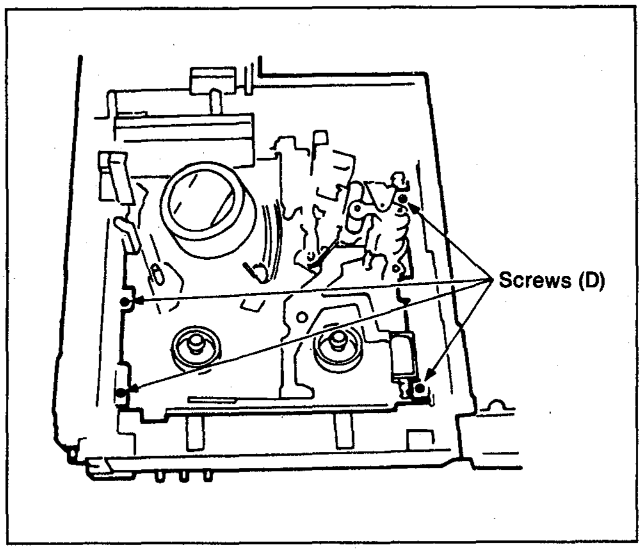


Figure M66

6. Manually move the loading mechanism toward the EJECT position.
7. Stop the manual eject procedure just before completion, so that the Sub Wiper Arms straight up. This position is also characterized by the channel guides (in the Wiper Arms) being directly under the cut outs on the top of the Cassette Compartment base(Figure M67).
8. Install the Cassette Holder Unit in the Cassette Compartment Base. The Cassette Holder should drop into place if the Sub Wiper Arms are portioned as called for in step 7.

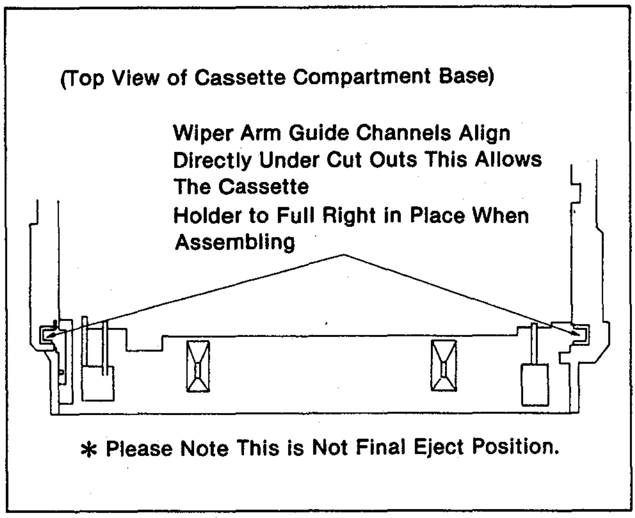

(Top View of Cassette Compartment Base)
Wiper Arm Guide Channels Align Directly Under Cut Outs This Allows The Cassette Holder to Full Right in Place When Assembling
* Please Note This is Not Final Eject Position.

Figure M67

<<NOTE>>
For proper front loading, the guide pin on the opener lever should follow the upper track of the right side panel as shown in Figure M68.

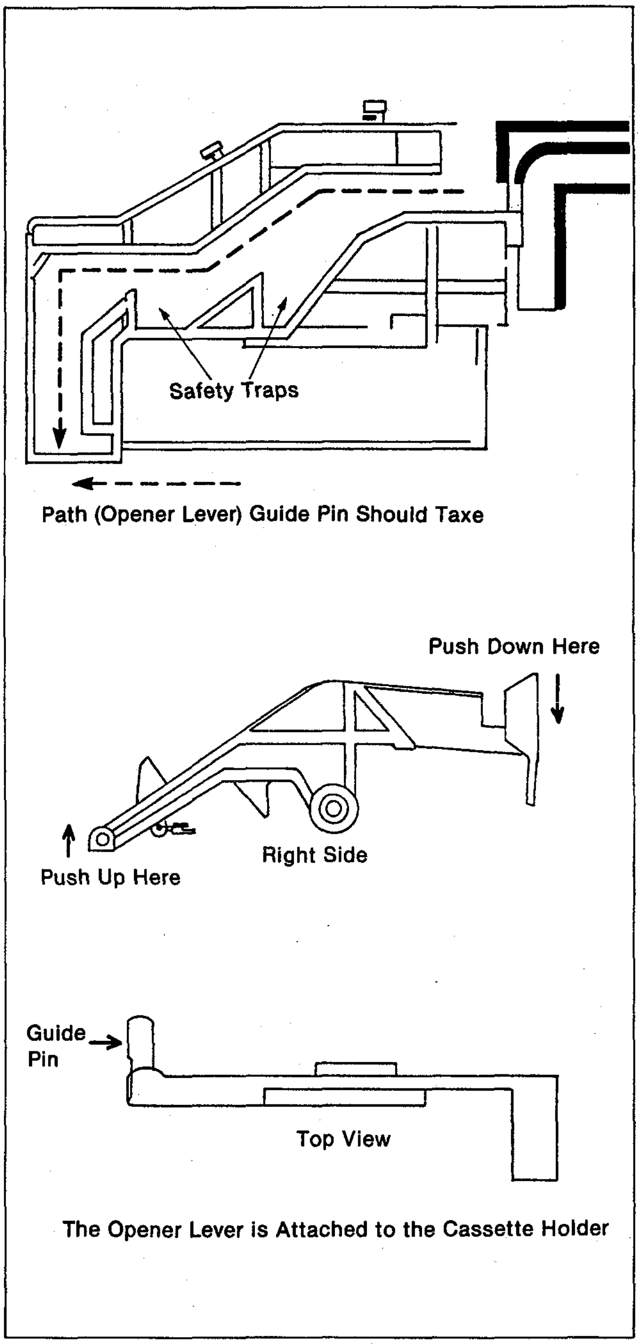

Safety Traps
Path (Opener Lever) Guide Pin Should Taxe
Push Down Here
Push Up Here
Right Side
Guide Pin
Top View
The Opener Lever is Attached to the Cassette Holder

Figure M68 Right Side Plate

9. Install the top plate on the Cassette Compartment Base and tighten the 2 screws (A) as shown in Figure M60.
10. Manually confirm that front loading and main loading run smoothly. Also confirmEJECT before power is applied.

Section 5

ELECTRICAL ADJUSTMENTS

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This section provides complete electrical adjustment procedures which may be required for electrical circuits of S–VHS video cassette recorder AG–7350 and S–VHS video cassette player AG–7150.

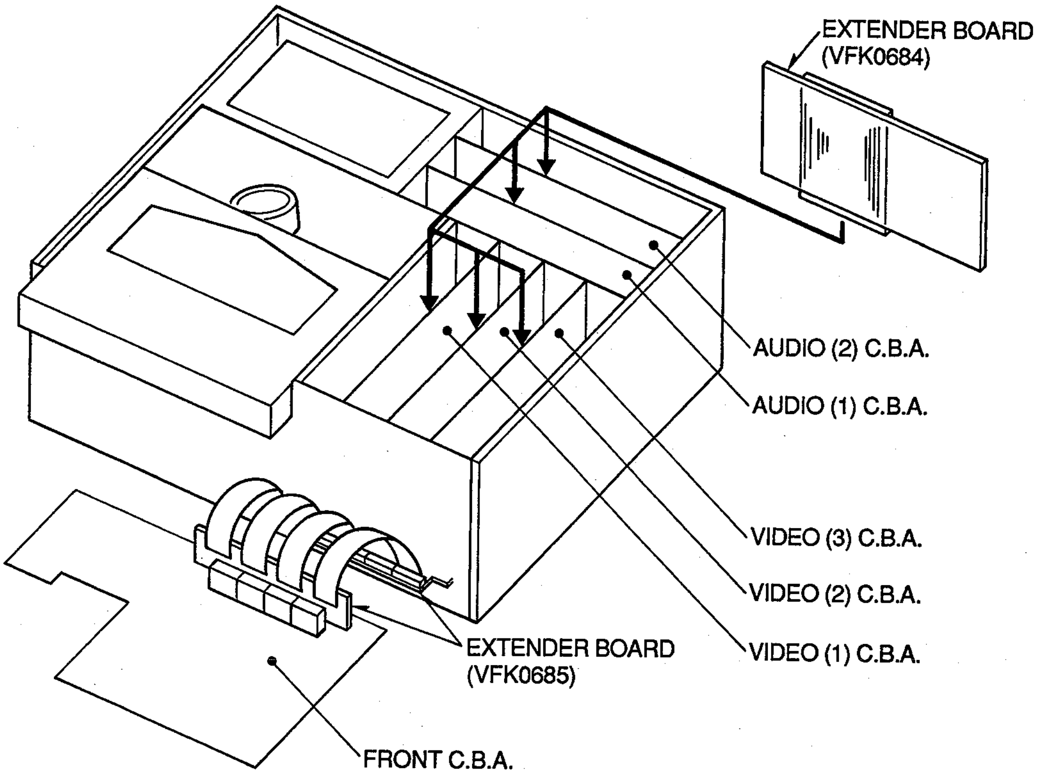
5-1. TEST EQUIPMENT

To perform the electrical adjustments completely, the following equipments are required.

1. VTVM (Vacuum Tube Volt Meter) or DVM (Digital Volt Meter)
   Voltage range : 0.001 to 50V
2. Dual–Trace Oscilloscope
   Voltage Range : 0.005 to 50V/div
   Frequency Range : DC to 400MHz
   Probes : 10 : 1 and 1 : 1
3. Frequency Counter
   Frequency Range : 0 to 10MHz
4. Signal Generator (Sinewave)
   Frequency Range : 0 to 500KHz
5. Video Sweep Generator
   Frequency Range : 0 to 10MHz
6. Composite Signal Generator
   Output : Colour Bar, Multi Burst, Sin 2T Pulse & Bar etc ...
7. Spectrum Analyzer
8. Colour Monitor TV
9. VHS Alignment Tape (VFM8180HADH)
10. S–VHS Blank Tape
11. VHS Blank Tape
12. Extender (VFK0684) for Mother board checking
13. Extender (VFK0685) for Front board checking

5-2. SERVICE INFORMATION

5–2–1. How to use the extender boards (VFK0684, VFK0685)



5-3. ADJUSTMENT PROCEDURE

5–3–1. How to read the adjustment procedures

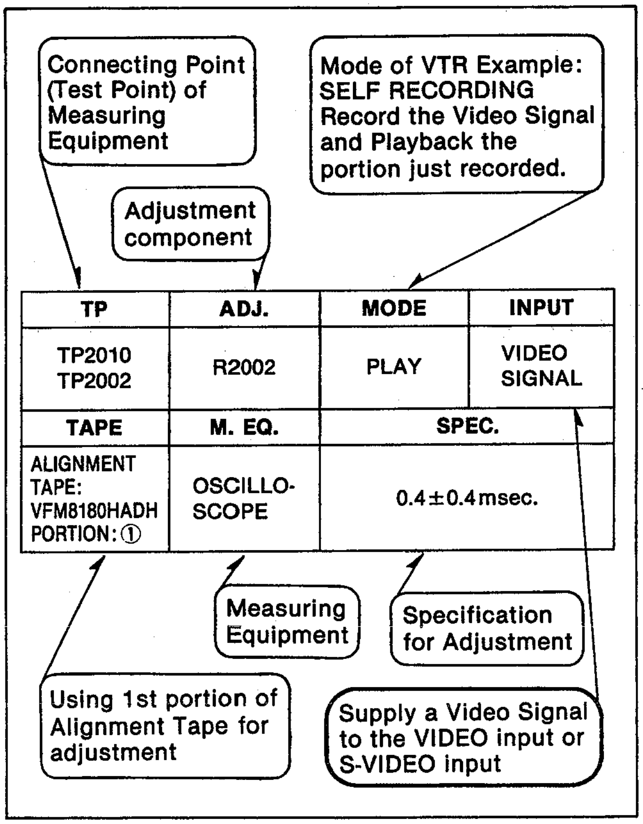

Connecting Point (Test Point) of Measuring Equipment
Mode of VTR Example: SELF RECORDING Record the Video Signal and Playback the portion just recorded.
Adjustment component
TP
ADJ.
MODE
INPUT
TP2010
TP2002
R2002
PLAY
VIDEO SIGNAL
TAPE
M. EQ.
SPEC.
ALIGNMENT TAPE: VFM8180HADH PORTION:①
OSCILLO-SCOPE
0.4±0.4msec.
Measuring Equipment
Specification for Adjustment
Using 1st portion of Alignment Tape for adjustment
Supply a Video Signal to the VIDEO input or S-VIDEO input

Figure E1

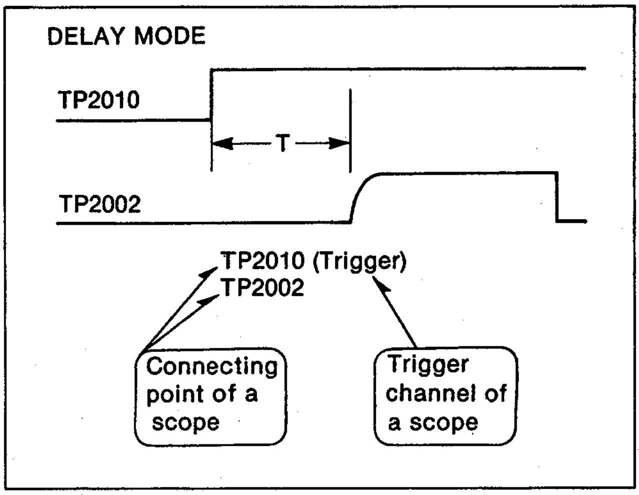

DELAY MODE
TP2010
T
TP2002
TP2010 (Trigger)
TP2002
Connecting point of a scope
Trigger channel of a scope

Figure E2

5–3–2. Standard set–up conditions

Unless otherwise specified, the selection switches and on–screen mode should be set as the following conditions.

Note : Unless otherwise specified, all adjustments are effective for both AG–7350 and AG–7150.

1. Normal/Hi–Fi Audio Input level VRs (CH1/CH2) ... Centre Fix position
2. S–VHS Select ... ON position (On–Screen setting)
3. Tracking Control VR ... Centre Fix position
4. Slow Tracking VR ... Centre Fix position
5. Video Mode ... Auto mode (On–Screen setting)
6. Norm/Hi–Fi SW ... Norm mode
7. Dolby NR ... OFF mode (On–Screen setting)
8. TV System...PAL position.

Note: Video signal should be supplied from the BNC video input connector (not S–VIDEO input connector), if there is not mention of input in the INPUT column.

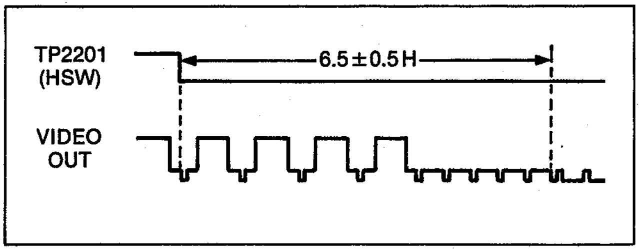
SERVO SECTION

5–3–3. PAL PG SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) VIDEO OUT	VR2203	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
VFM8180HADH PORTION:②	OSCILLO-SCOPE	6.5H±0.5H	

Note: Tape interchangeability adjustment should be always completed before this adjustment.

1. Set the TV system switch to the PAL position.
2. Play back the PAL alignment tape at the portion 2.
3. Connect the oscilloscope to the video output for CH–1 and TP2201 for CH–2.
4. Adjust VR2203 for 6.5H +/–0.5H as shown in Figure E3.


TP2201 (HSW)
6.5±0.5H
VIDEO OUT

Figu re E3.

5. Change the triggering slope of the oscilloscope form "–" to "+" side, and confirm that the difference between the rising and falling edges become less than 20 usec.

5-3-4. NTSC PG SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2201 VIDEO OUT	VR2203	NTSC PLAY	
TAPE	**M. EQ.**	**SPEC.**	
VFM8080HQFP PORTION: ②	OSCILLO-SCOPE	6.5H±0.5H	

Note : Tape interchangeability adjustment should be always completed before this adjustment.

1. Set the TV system switch to the NTSC position.
2. Play back the NTSC alignment tape at the portion 2.
3. Connect the oscilloscope to the video output for CH1 and TP2201 for CH2.
4. Adjust VR2203 for 6.5H +/− 0.5H as shown in Figure E4.
5. Change the triggering slope of the oscilloscope from "−" to "+" sided, and confirm that the difference between the rising and falling edges become less than 20 usec.

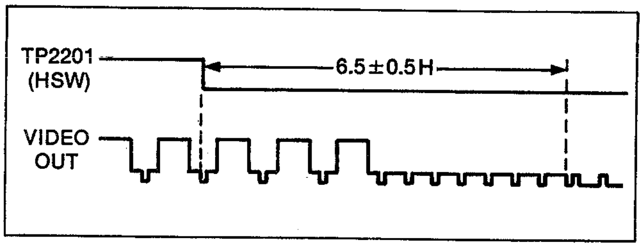


Figure E4

5-3-5. TRACKING FIX ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) TP2202 (CTL)	VR2207	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
VFM8180HADH PORTION: ②	OSCILLO-SCOPE	T=0.4±0.4msec	

Note: Tape interchangeability adjustment should be always completed before this adjustment.

1. Play back the alignment tape at the portion 2.
2. Connect the oscilloscope to TP2201 for CH-1 and TP2202 for CH-2.
3. Adjust VR2207 for 0.4 +/−0.4msec as shown in Figure E5.

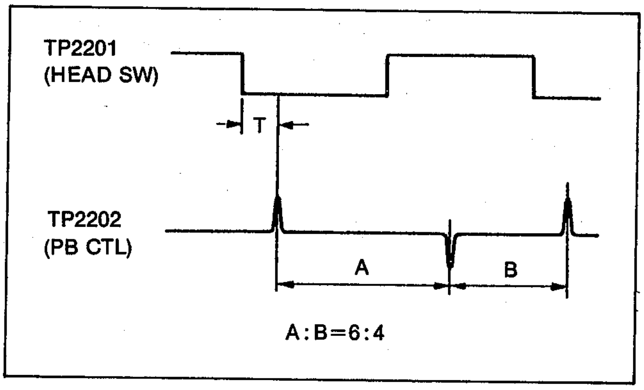


Figure E5

5-3-6. SLOW FREE RUN ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP2203	VR2208	PAL SLOW	
TAPE	**M. EQ.**	**SPEC.**	
VFM8180HADH PORTION: ②	FREQ COUNTER	f=458Hz±10Hz	

1. Play back the alignment tape at the portion 2 and place the unit in slow mode.
2. Connect the jumper wire between TP2204 and GND.
3. Connect the frequency counter to TP2203.
4. Adjust VR2208 so that the reading of frequency counter is 458Hz +/−10Hz.
5. After this adjustment, remove the jumper wire from TP2204 and GND.

5-3-7. FORWARD SLOW TRACKING ADJUSTMENT · (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) TP3004	VR2205	PAL SLOW PLAY	MONOSCOPE
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	ENVELOPE LEVEL: A=B	

1. Record a monoscope signal for a few minute and play back the just recorded portion in the slow mode.
2. Connect the oscilloscope to TP3004 for CH-1 (which triggered with H.SW signal).
3. Adjust VR2205 so that the RF envelope becomes the same level between A and B portions as shown in Figure E6.

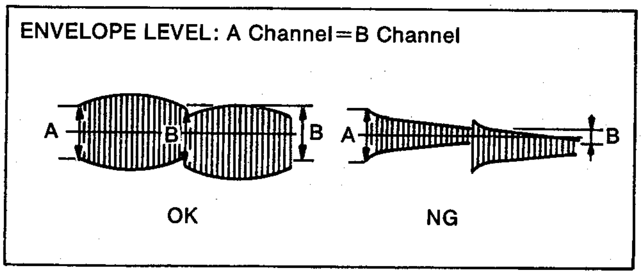


Figure E6

5-3-8. FORWARD SLOW TRACKING ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) TP3004	VR2205	PAL SLOW	
TAPE	**M. EQ.**	**SPEC.**	
MONOSCOPE RECORDED TAPE	OSCILLO-SCOPE	ENVELOPE LEVEL: A=B	

1. Prepare the prerecorded tape which recorded a monoscope signal on another recorder such as AG-7350.
2. Play back the monoscope signal in the slow mode.
3. Connect the oscilloscope to TP3004 for CH-1 (which triggered with H.SW signal).
4. Adjust VR2205 so that the RF envelope becomes the same level between A and B portions as shown in Figure E7.

ENVELOPE LEVEL: A Channel=B Channel

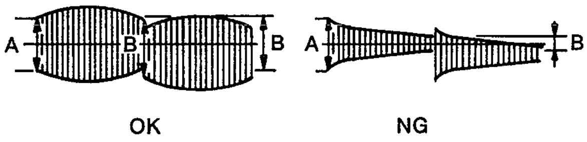


Figure E7

5-3-9. REVERSE SLOW TRACKING ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) TP3004	VR2206	PLA REVERSE SLOW	MONOSCOPE
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	ENVELOPE LEVEL: A=B	

1. Record a monoscope signal for a few minute and play back the just recorded portion in the reverse slow mode.
2. Connect the oscilloscope to TP3004 for CH-1 (which triggered with H.SW signal).
3. Adjust VR2206 so that the RF envelope becomes the same level between A and B portions as shown in Figure E8.

ENVELOPE LEVEL: A Channel=B Channel

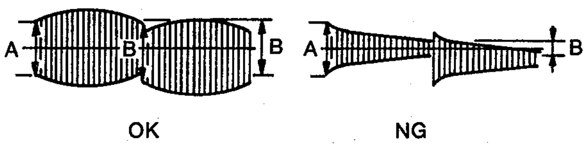


Figure E8

5-3-10. REVERSE SLOW TRACKING ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP2201 (H. SW) TP3004	VR2206	PAL REVERSE SLOW	
TAPE	**M. EQ.**	**SPEC.**	
MONOSCOPE RECORDED TAPE	OSCILLO-SCOPE	ENVELOPE LEVEL: A=B	

1. Prepare the prerecorded tape which recorded the monoscope signal on another recorder such as AG-7350.
2. Play back the monoscope signal in the reverse slow mode.
3. Connect the oscilloscope to TP3004 for CH-1 (which triggered with H.SW signal).
4. Adjust VR2206 so that the RF envelope becomes the same level between A and B portions as shown in Figure E9.

ENVELOPE LEVEL: A Channel=B Channel

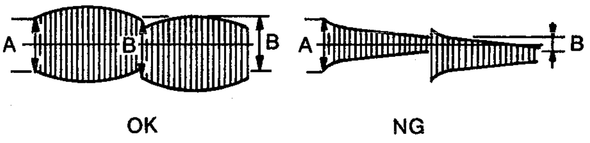


Figure E9

5-3-11. PAL V-LOCK ADJUSTMENT

TP	ADJ.	MODE	INPUT
MONITOR SCREEN	VR2202	PAL STILL	
TAPE	**M. EQ.**	**SPEC.**	
VFM8180HADH PORTION: 2	TV MONITOR	NO V-DANCING	

1. Play back the PAL alignment tape at the portion 2 in the still mode.
2. Adjust VR2202 so that the V-Dancing does not appear on the monitor screen.
3. Confirm that the no V-dancing is appeared on the monitor screen while slowly turning Jog dial on the front panel after completing this adjustment.

5-3-12. NTSC V-LOCK ADJUSTMENT

TP	ADJ.	MODE	INPUT
MONITOR SCREEN	VR2202	NTSC STILL	MONOSCOPE
TAPE	**M. EQ.**	**SPEC.**	
VFM8080HQFP PORTION: ②	TV MONITOR	NO V-DANCING	

1. Play back the NTSC alignment tape at the portion 2 in the still mode.
2. Adjust VR2204 so that the V-dancing does not appear on the monitor screen.
3. Confirm that the no V-dancing is appeared on the monitor screen while slowly turning Jog dial on the front panel after completing this adjustment.

VIDEO SECTION

5-3-13. AGC LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3501	STOP	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

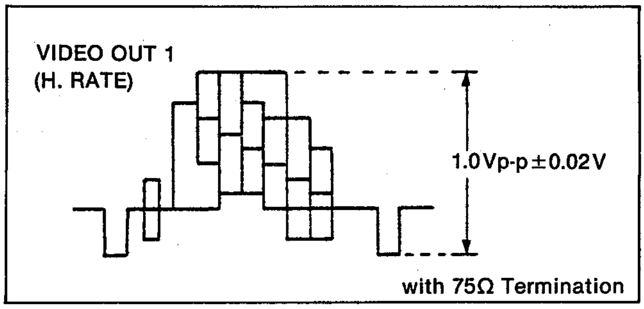

VIDEO OUT 1
(H. RATE)
1.0Vp-p±0.02V
with 75Ω Termination

Figure E10

5-3-14. On-Screen Display H POSITION ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP3502	C3586	STOP	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	TV MONITOR	DOLBY NR OFF=ON MAGENTA	

1. Supply a colour bar signal to the video input connector.
2. Place the unit in the E-E mode and push the "screen display" button to monitor the colour bar with on-screen characters.
3. Adjust C3586 so that the character of "OFF" for DOLBY NR is positioned as shown in Figure E11.

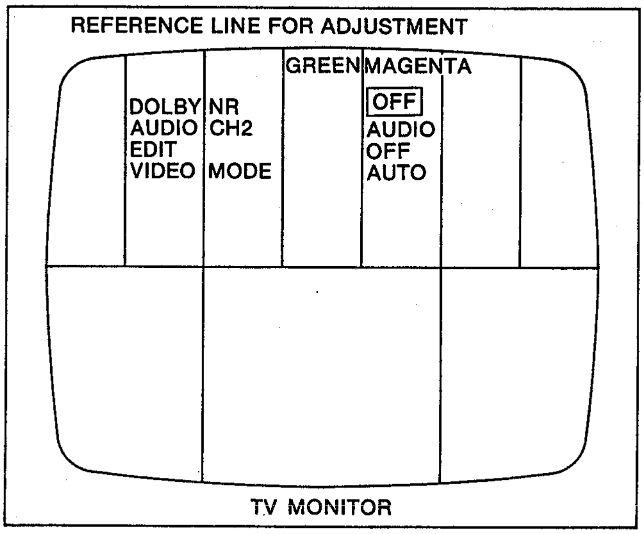

REFERENCE LINE FOR ADJUSTMENT
GREEN
MAGENTA
DOLBY
AUDIO
EDIT
VIDEO
NR
CH2
MODE
OFF
AUDIO
OFF
AUTO
TV MONITOR

Figure E11

5-3-15. VHS DEVIATION ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP3003	VR8004	PAL VHS RECORDING	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	INNERBEAT IS MINIMUM AS POSSIBLE	

1. Supply a colour bar signal to the video input on the rear panel.
2. Set the signal generator (sine wave) frequency and output as follows and supply it to TP3006.

   Frequency : 3.8MHz +/-0.05MHz
   Output : 50mVp-p - 100mVp-p

3. Connect the oscilloscope to TP3006.
4. Place the unit in the recording mode.
5. Adjust VR8004 so that the inner beat at the white portion of the colour bar becomes minimum as posible as shown in Figure E12.

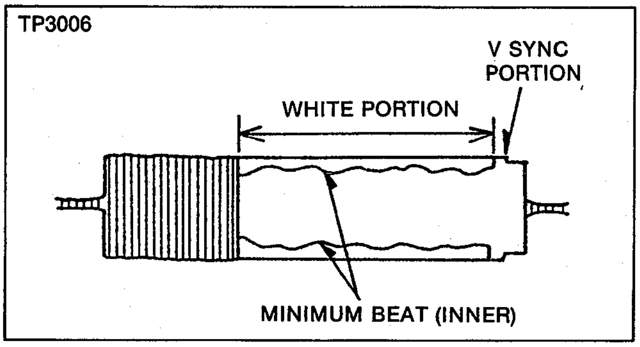

TP3006
V SYNC PORTION
WHITE PORTION
MINIMUM BEAT (INNER)

Figure E12

5-3-16. S-VHS DEVIATION ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP3003	VR3003	PAL S-VHS RECORDING	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
S-VHS BLANK TAPE	OSCILLO-SCOPE	INNERBEAT IS MINIMUM AS POSSIBLE	

Note: This adjustment should be always completed after completing the VHS Deviation adjustment.

1. Set the unit in the S-VHS mode.
2. Supply a colour bar signal to the video input on the rear panel.
3. Connect the signal generator (Sine wave) to TP3006 and set the frequency and output level as follows.

   Frequency : 5.4MHz+/-0.05MHz
   Output : 50mVp-p - 100mVp-p

4. Connect the oscilloscope to TP3006.
5. Place the unit in the recording mode.
6. Adjust VR3003 so that the inner beat at white portion of the colour bar becomes minimum as possible as shown in Figure E13.

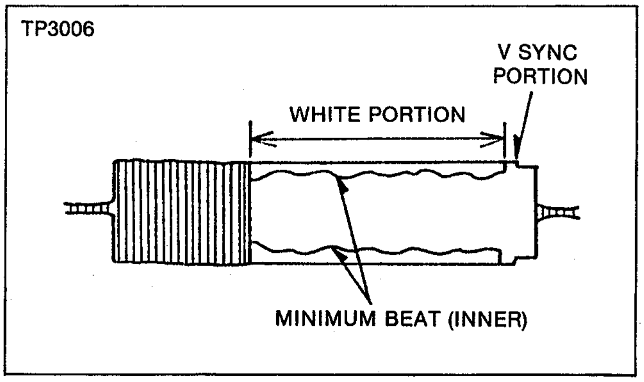


Figure E13

5-3-17. YNR BALANCE ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP8003	VR8003	PAL STOP	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	LESS THAN 50mVp-p	

1. Supply a colour bar signal to the video input on the rear panel.
2. Connect the oscilloscope to TP8003.
3. Adjust VR8003 so that the waveform becomes minimum as possible (less than 50mVp-p) as shown in Figure E14.

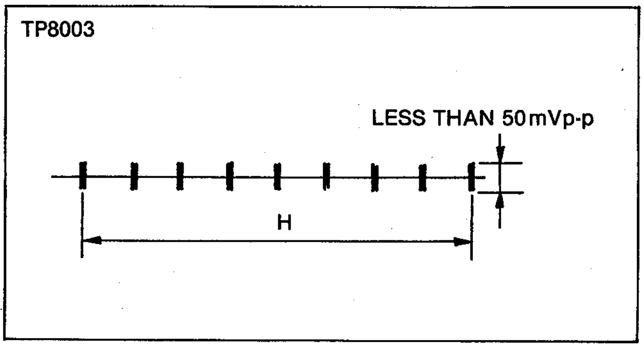


Figure E14

5-3-18 YNR BALANCE ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP8003	VR8003	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
COLOUR BAR RECORDED S-VHS TAPE	OSCILLO-SCOPE	LESS THAN 50mVp-p	

1. Prepare the prerecorded S-VHS tape which recorded a colour bar on another recorder such as AG-7350.
2. Play back the colour bar signal.
3. Connect the oscilloscope to TP8003.
4. Adjust VR8003 so that the carrier leakage is minimized (less than 50mVp-p) as shown in Figure E15.

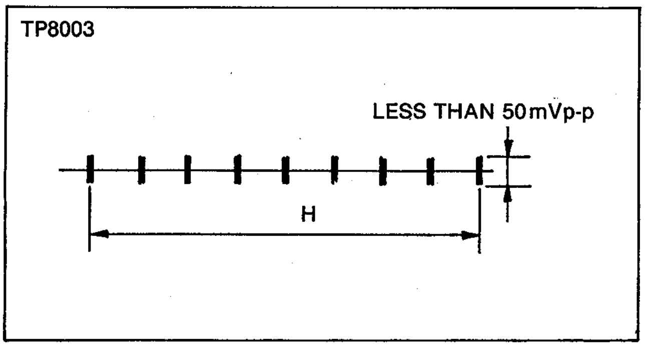


Figure E15

5–3–19. S–VHS RECORDING CURRENT ADJUSTMENT (FOR AG–7350)

TP	ADJ.	MODE	INPUT
TP5003 (HOT) TP5002 (GND)	VR5002 (C) VR5001 (Y)	PAL S-VHS RECORDING	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
S-VHS BLANK TAPE	OSCILLO-SCOPE	35mVp-p±2mV (C) 150mVp-p±10mV (Y)	

1. Supply a colour bar signal to the video input.
2. Place the unit in the S–VHS recording mode.
3. Connect the oscilloscope to TP5003 (HOT) and TP5002 (GND).
4. Before the chrominance recording current adjustment, the luminance recording current (VR5001) should be closed to observe the chrominance signal.
   (In another way, the luminance current can be closed by making the short circuit between TP3007 and TP3006)
5. Adjust VR5002 so that the cyan level is 35 +/– 2mVp–p as shown in Figure E16.

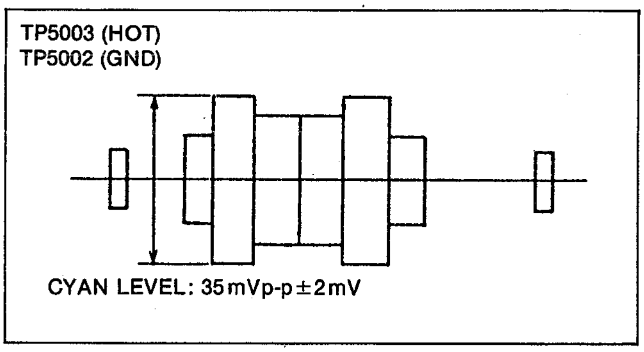


Figure E16

6. Next, adjust VR5001 so that the luminance signal level is 150 +/– 10mVp–p as shown in Figure E17.

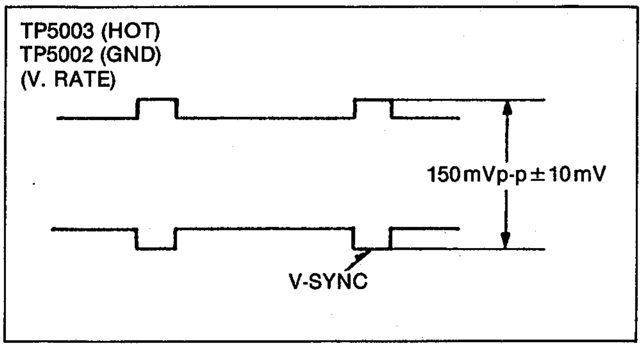


Figure E17

5–3–20. VHS Y RECORDING CURRENT ADJUSTMENT (FOR AG–7350)

TP	ADJ.	MODE	INPUT
TP5003 (HOT) TP5002 (GND)	VR3002	PAL VHS RECORDING	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	150mVp-p±10mV	

Note: This adjustment should be always completed after the S–VHS recording current adjustment.

1. Supply a colour bar signal to the video input.
2. Place the unit in the normal VHS recording mode.
3. Connect the oscilloscope to TP5003 (HOT) and TP5002 (GND).
4. Adjust VR3002 so that the luminance signal level is 150 +/– 10mVp–p as shown in Figure E18.

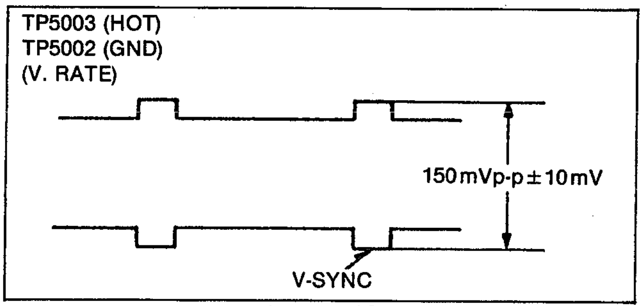


Figure E18

5–3–21. VHS Y PLAYBACK LEVEL ADJUSTMENT (FOR AG–7350)

TP	ADJ.	MODE	INPUT
VIDEO OUTPUT 1	VR3503	PAL VHS PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELFE RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

Note: This adjustment should be always completed after completion of all adjustment on the recording loop.

1. Supply a colour bar signal to the video input and recording it in the normal VHS mode for a few minute.
2. Connect the oscilloscope to the video output 1 with 75ohm termination.
3. Play back the just recorded portion.
4. Adjust VR3503 for 1.0 +/–0.02Vp–p as shown in Figure E19.

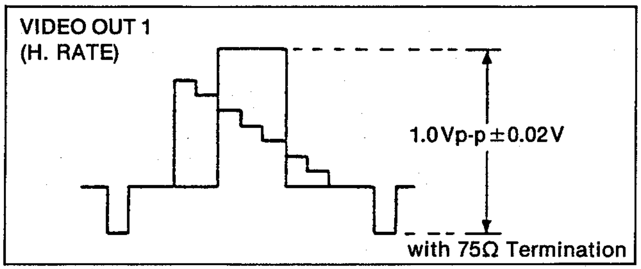


Figure E19

5-3-22. VHS Y PLAYBACK LEVEL ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
VIDEO OUTPUT 1	VR3503	PAL VHS PLAY	
TAPE	**M. EQ.**	**SPEC.**	
COLOUR BAR RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

1. Prepare the normal VHS prerecorded tape which recorded a colour bar signal on another set such as AG-7350.
2. Connect the oscilloscope to the video output 1 with 75ohm termination.
3. Play back the colour bar signal.
4. Adjust VR3502 for 1.0 +/- 0.02Vp-p as shown in Figure E20.

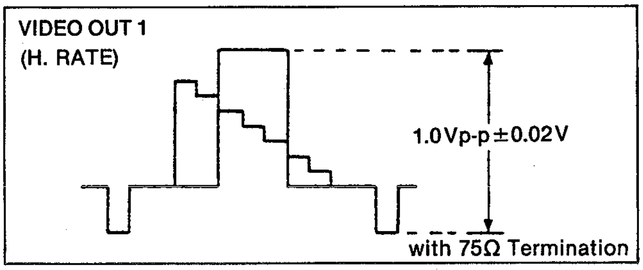


Figure E20

5-3-23. Y PLAYBACK LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8010	PAL PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

Note: This adjustment should be always completed after the VHS Y playback level adjustment.

1. Supply a colour bar signal to the video input and record it for a few minute.
2. Play back the just recorded portion.
3. Connect the oscilloscope to the video out 1 connector with a 75 ohm termination.
4. Adjust VR8010 for 1.0 +/-0.02Vp-p as shown in Figure E21.

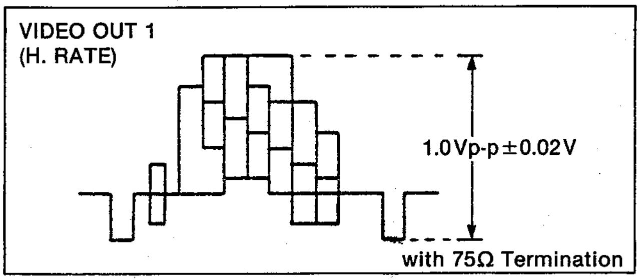


Figure E21

5-3-24. Y PLAYBACK LEVEL ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8010	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
COROUR BAR RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

Note: This adjustment should be always completed after the VHS Y playback level adjustment.

1. Prepare the prerecorded tape which recorded a colour bar on another recorder (AG-7350).
2. Play back the colour bar signal.
3. Connect the oscilloscope to the video output 1 connector with 75ohm termination.
4. Adjust VR8010 for 1.0Vp-p +/-0.02Vp-p as shown in Figure E22.

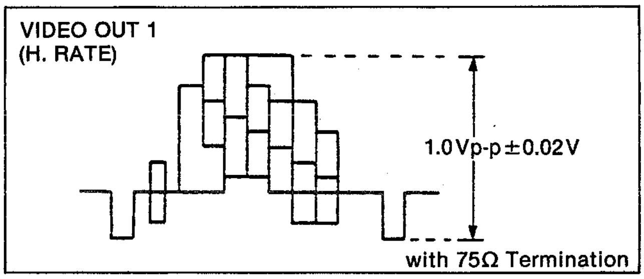


Figure E22

5-3-25. PLAYBACK SUB EMPHASIS INPUT LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP3005	VR3001	PAL PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	400mVp-p±10mV	

Note: This adjustment should be always completed after completion of all adjustments on the recording loop.

1. Supply a colour bar signal to the video input and record it for a few minute.
2. Play back the just recorded portion.
3. Connect the oscilloscope to TP3005.
4. Adjust VR3001 for 400 +/-10mVp-p as shown in Figure E23.

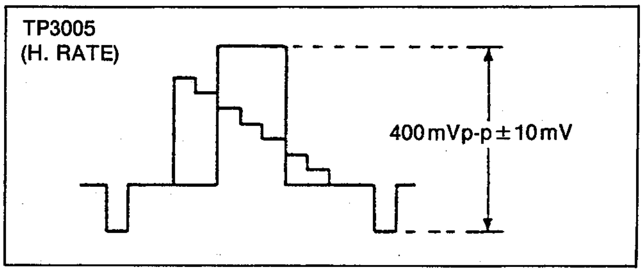


Figure E23

5–3–26. PLAYBACK SUB EMPHASIS INPUT LEVEL ADJUSTMENT (FOR AG–7150)

TP	ADJ.	MODE	INPUT
TP3005	VR3001	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
COLOUR BAR RECORDED TAPE	OSCILLO-SCOPE	400mVp-p±10mV	

1. Prepare the prerecorded S–VHS tape which recorded a colour bar on another recorder (AG–7350).
2. Play back the colour bar signal.
3. Connect the oscilloscope to TP3005.
4. Adjust VR3001 for 400mVp–p +/– 10mVp–p as shown in Figure E24.

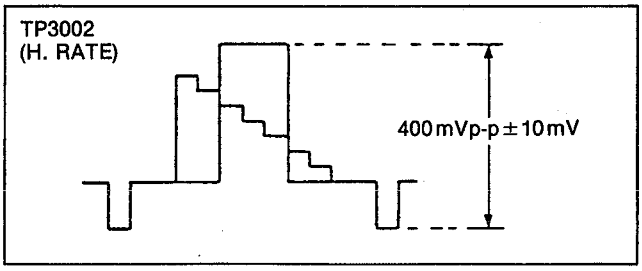


Figure E24

5–3–27. S–VHS PLAYBACK LEVEL ADJUSTMENT (FOR AG–7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3004	PAL S-VHS PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

Note: This adjustment should be always completed after the playback sub emphasis input level adjustment.

1. Supply a colour bar signal to the video input and record it for a few minute.
2. Connect the oscilloscope to the video out 1 connector with a 75 ohm termination.
3. Adjust VR3004 for 1.0 +/–0.02Vp–p as shown in Figure E25.

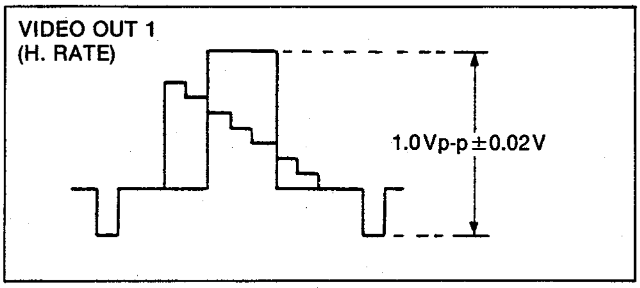


Figure E25

5–3–28. S–VHS PLAYBACK LEVEL ADJUSTMENT (FOR AG–7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3004	PAL S-VHS PLAY	
TAPE	**M. EQ.**	**SPEC.**	
COLOUR BAR RECORDED TAPE	OSCILLO-SCOPE	1.0Vp-p±0.02V	

Note: This adjustment should be always completed after the playback sub emphasis input level adjustment.

1. Prepare the prerecorded S–VHS tape which recorded a colour bar on another recorder (AG–7350).
2. Play back the colour bar signal.
3. Connect the oscilloscope to the video output 1 connector with a 75 ohm termination.
4. Adjust VR3004 for 1.0 +/–0.02Vp–p as shown in Figure E26.

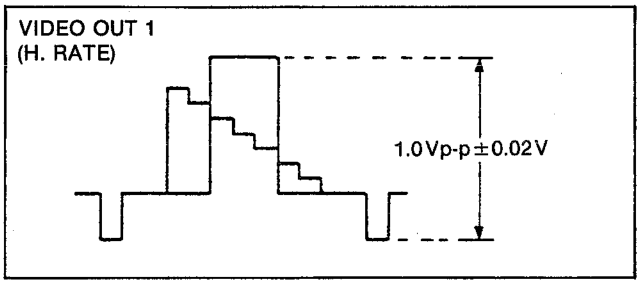
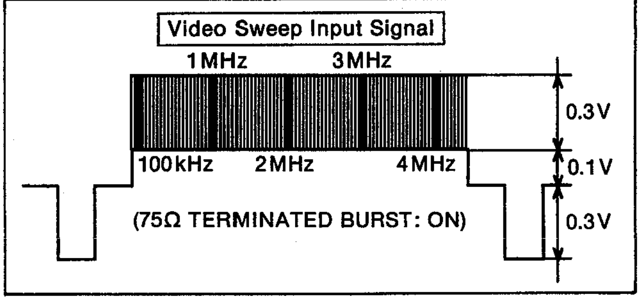


Figure E26

5–3–29. VHS PLAYBACK FREQUENCY RESPONSE ADJUSTMENT (FOR AG–7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3005	PAL VHS PLAY	30% SWEEP WITHOUT BURST
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	100kHz: 2MHz=5: 5±0.5	

1. Set the video mode to the "B/W" mode on the on–screen setting menu.
2. Set the sweep generator output as shown in Figure E27.


Video Sweep Input Signal
1MHz
3MHz
100kHz
2MHz
4MHz
0.3V
0.1V
0.3V
(75Ω TERMINATED BURST: ON)

Figu re E27

3. Supply the 30% sweep signal without burst signal to the video input and record it for a few minute.
4. Play back the just recorded portion.
5. Connect the oscilloscope to the video out 1 connector.
6. Adjust VR3005 so that the playback frequency response becomes the ratio of 100 : 100 +/–10 at the marker points of 100kHz and 2MHz as shown in Figure E28.

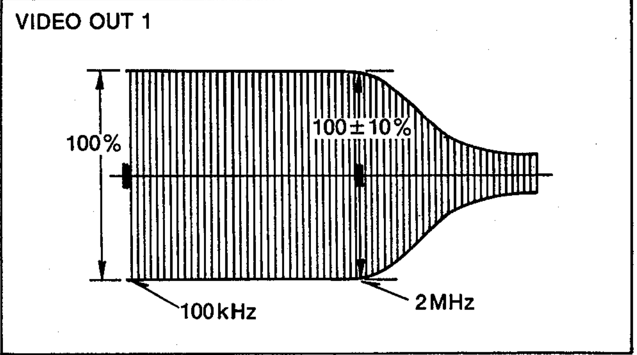

VIDEO OUT 1
100%
100±10%
100kHz
2MHz

Figure E28

5–3–30. VHS PLAYBACK FREQUENCY RESPONSE ADJUSTMENT (FOR AG–7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3005	PAL VHS PLAY	
TAPE	**M. EQ.**	**SPEC.**	
30% SWEEP RECORDED TAPE	OSCILLO-SCOPE	100kHz: 2MHz=100: 100±15	

1. Prepare the prerecorded tape which recorded a 30% sweep with burst signal on another recorder (AG–7350) referring Figure E28.
2. Play back the just recorded portion.
3. Connect the oscilloscope to video out 1.
4. Adjust VR3005 so that the playback frequency response becomes the ratio of 100 : 100 +/– 10 at the marker points of 100kHz and 2MHz as shown in Figure E29.

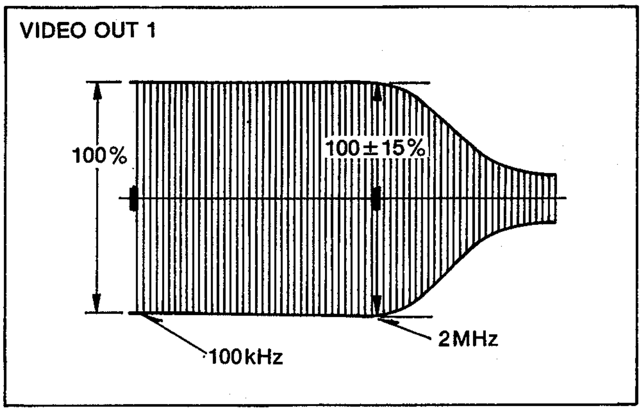

VIDEO OUT 1
100%
100±15%
100kHz
2MHz

Figure E29

5-3-31. S-VHS PLAYBACK FREQUENCY RESPONSE ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3007	PAL S-VHS PLAY	30% SWEEP WITHOUT BURST
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	100kHz: 4MHz=100: 60±10	

1. Set the video mode to the "B/W" mode on the On-Screen setting menu.
2. Set the sweep generator output as shown in Figure E30.
3. Supply the 30% sweep signal with burst signal to the video input and record it for a few minute.
4. Play back the just recorded portion.
5. Connect the oscilloscope to the video out 1.
6. Adjust VR3007 so that the playback frequency response becomes the ratio of 100 : 60 +/-10 at the marker points of 100kHz and 4MHz as shown in Figure E31.

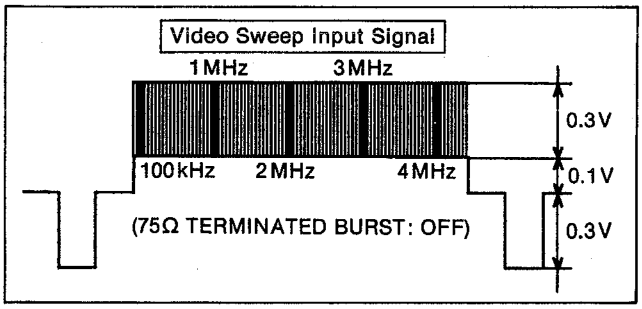


Figure E30

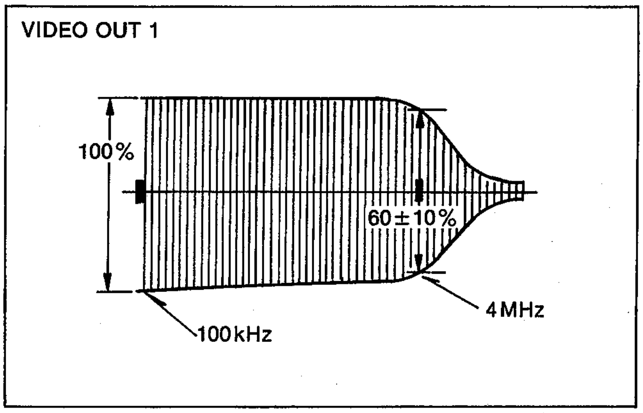


Figure E31

5-3-32. S-VHS PLAYBACK FREQUENCY RESPONSE ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3007	PAL S-VHS PLAY	
TAPE	**M. EQ.**	**SPEC.**	
30% SWEEP RECORDED S-VHS TAPE	OSCILLO-SCOPE	100kHz: 4MHz=100: 60±15	

1. Set the video mode to the "B/W" mode on the On-Screen setting menu.
2. Prepare the prerecorded S-VHS tape which recorded the sweep without burst signal on another recorder (AG-7350) as shown in Figure E28.
3. Play back the recorded tape.
4. Connect the oscilloscope to the video out 1 connector.
5. Adjust VR3007 so that the playback frequency response becomes the ratio of 100 : 60 +/- 15 at the marker points of 100KHz and 4MHz as shown in Figure E32.

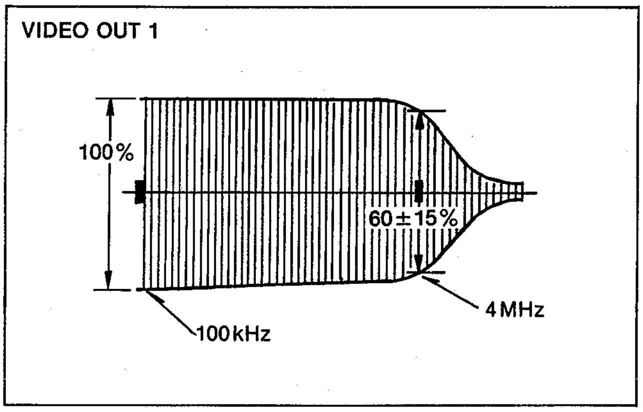


Figure E32

5-3-33. TRACKING LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TRACKING METER	VR3008	PAL PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED		0dB±0.5dB	

Note: Make sure that the tracking volume is set to thr centre fix position.

1. Supply a colour bar signal to video input and record it for a few minute.
2. Play back the just recorded portion.
3. Adjust VR3008 so that the tracking meter indicates 0dB +/-0.5dB as shown in Figure E33.

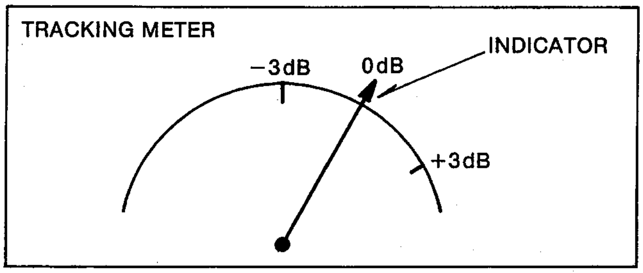


Figure E33

5-3-34. S-VHS SUPER LIMITER ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP3006	VR3006	PAL S-VHS STOP	SINEWAVE (7MHz, 200mVp-p)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	SIGNAL GENERATOR OSCILLOSCOPE	300mVp-p±10mV	

Note: Prepare a 100MHz type oscilloscope.

1. Set the signal generator (sine-wave) to 7MHz, 200mVp-p and supply it to TP3007 on the video (1) C.B.A.
2. Connect the 100MHz type oscilloscope to TP3006.
3. Adjust VR3006 for 300 +/-10mVp-p as shown in Figure E34.

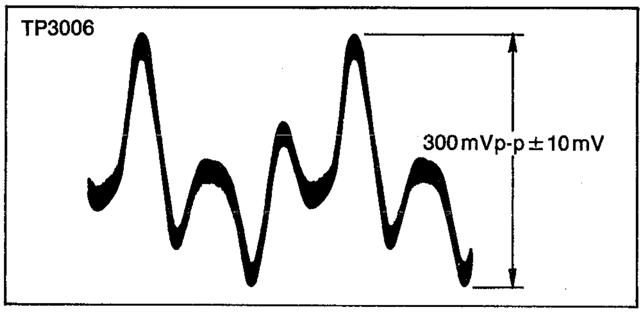


Figure E34

5-3-35. S-VHS SUPER LIMITER ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP3006	VR3006	PAL S-VHS STOP	SINEWAVE (7MHz, 200mVp-p)
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	SIGNAL GENERATOR OSCILLOSCOPE	300mVp-p±10mV	

Note: Prepare a 100MHz tape oscilloscope.

1. Set the signal generator (sine-wave) to 7MHz, 200mVp-p and supply it to TP3003 on video (1) C.B.A.
2. Connect the 100MHz type oscilloscope to TP3006.
3. Adjust VR3006 for 300 +/-10mVp-p as shown in Figure E35.

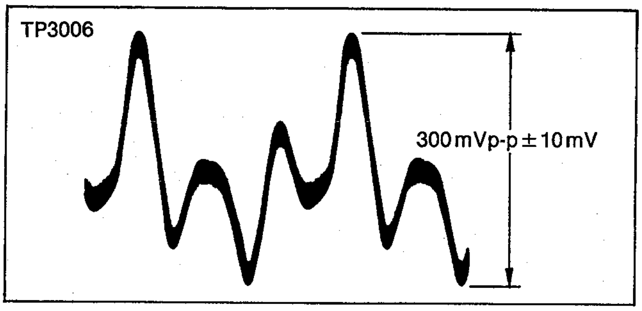


Figure E35

5-3-36. PLAYBACK CHROMA LEVEL ADJUSTMENT 1 (FOR AG-7350)

TP	ADJ.	MODE	INPUT
TP8005	VR8001	PAL PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	500mV±10mVp-p	

1. Supply a colour bar signal to the video input and record it for a few minute.
2. Play back the just recorded portion.
3. Connect the oscilloscope to TP8005.
4. Adjust VR8001 for 500m +/- 10mVp-p at the cyan portion as shown in Figure E36.

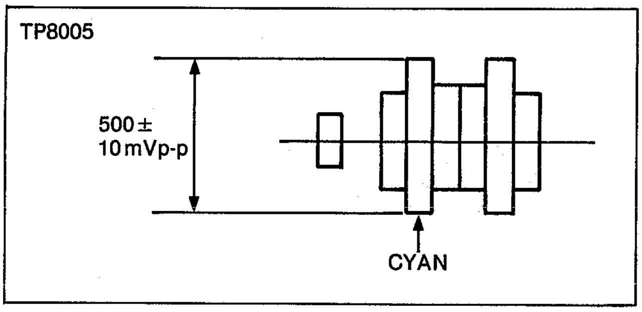


Figure E36

5-3-37. PLAYBACK CHROMA LEVEL ADJUSTMENT 1 (FOR AG-7150)

TP	ADJ.	MODE	INPUT
TP8005	VR8001	PAL PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
COLOUR BAR RECORDED S-VHS TAPE	VECTORSCOPE	VECTOR COMES CENTER	

1. Prepare the recorded S-VHS tape which recorded the colour bar signal on the another recorder (AG-7350).
2. Play back a colour bar recorded tape.
3. Connect the oscilloscope to TP8005.
4. Adjust VR8001 for 500m +/- 10mVp-p at the cyan portion as shown in Figure E37.

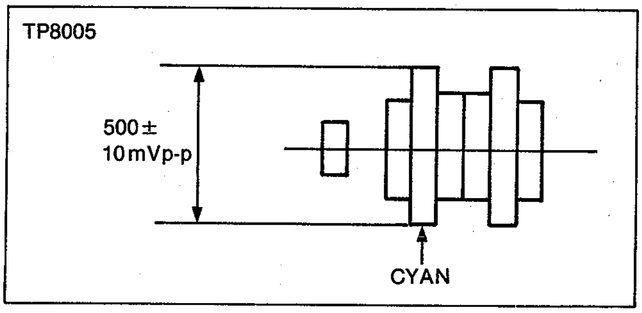


Figure E37

5–3–38. CNR ADJUSTMENT (FOR AG–7350)

TP	ADJ.	MODE	INPUT
TP8002	VR8005 VR8006	PAL PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	LESS THAN 500mVp-p	

Note: This adjustment should be always completed after the YNR balance adjustment.

1. Supply a colour bar to the video input and record it for a few minute.
2. Connect the oscilloscope to TP8002.
3. Play back the just recorded portion.
4. Adjust VR8005 and VR8006 mutually so that the chroma signal is minimized as possible (less than 500mVp–p at least) as shown in Figure E38.

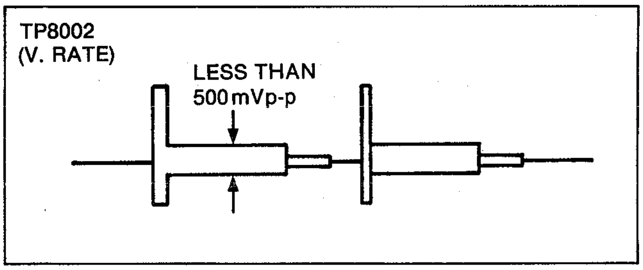


Figure E38

5–3–39. CNR ADJUSTMENT (FOR AG–7150)

TP	ADJ.	MODE	INPUT
TP8002	VR8005 VR8006	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
COLOUR BAR RECORDED S-VHS TAPE	OSCILLO-SCOPE	LESS THAN 500mVp-p	

Note: This adjustment should be always completed after the YNR balance adjustment.

1. Prepare the prerecorded tape which recorded a colour bar signal on another recorder (AG–7350).
2. Play back the just recorded portion.
3. Connect the oscilloscope to TP8002.
4. Adjust VR8005 and VR8006 mutually so that the chroma signal is minimized as possible (less than 500mVp–p at least) as shown in Figure E39.

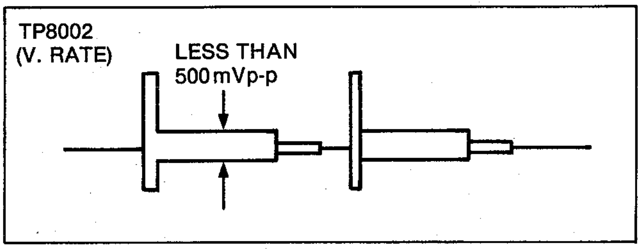


Figure E39

3–5–40. PLAYBACK CHROMA LEVEL ADJUSTMENT 2 (FOR AG–7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8009	PAL PLAY	COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	OSCILLO-SCOPE	0.6Vp-p±0.03V	

1. Supply a colour bar signal to the video input and record it for a few minute.
2. Connect the oscilloscope to the video output 1 connector with 75 ohm termination.
3. Adjust VR8009 for 0.6 +/– 0.03Vp–p as shown in Figure E40.

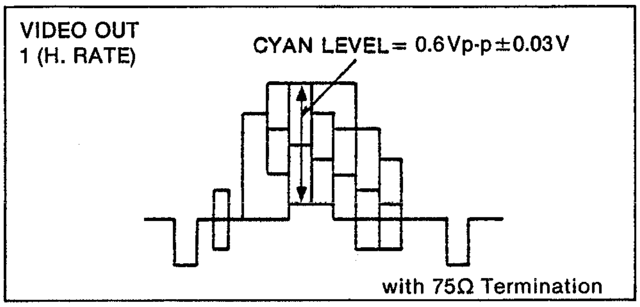


Figure E40

5–3–41. PLAYBACK CHROMA LEVEL ADJUSTMENT 2 (FOR AG–7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8009	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO-SCOPE	0.6Vp-p±0.03V	

1. Prepare the prerecorded tape which recorded a colour bar signal on another recorderv (AG–7350)
2. Play back the colour bar recorded tape.
3. Connect the oscilloscope to the video output 1 connector with 75 ohm termination.
4. Adjust VR8009 for 0.6 +/–0.03Vp–p as shown in Figure E41.

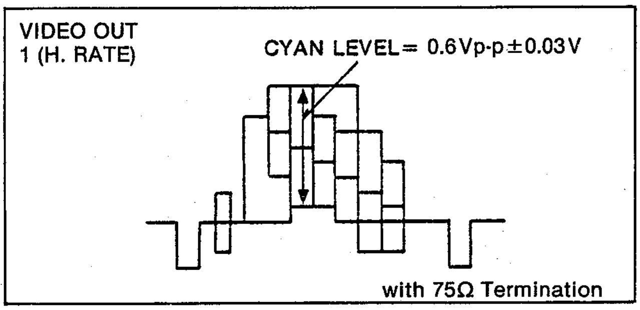


Figure E41

5-3-42. S-VHS Y/C DELAY ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8007	PAL S-VHS PLAY	SIN² T PULSE & BAR
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	WAVEFORM MONITOR	A=B±2%	

1. Supply a sin 2T pulse & bar signal and record it for a few minute.
2. Play back the just recorded portion.
3. Connect the waveform monitor to the video out 1 connector.
4. Adjust VR8007 so that the waveform becomes as shown in Figure E42.

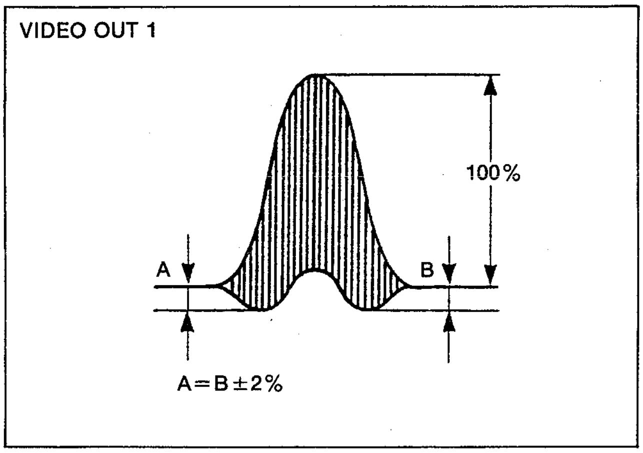


Figure E42

5-3-43. S-VHS Y/C DELAY ADJUSTMENT (FOR AG-7150)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR8007	PAL S-VHS PLAY	
TAPE	**M. EQ.**	**SPEC.**	
SIN² T PULSE & BAR RECORDED TAPE	WAVE FORM MONITOR	A=(B+4%)±2%	

1. Prepare the prerecorded S-VHS tape which recorded a sin 2T pulse & bar signal on recorder (AG-7350).
2. Play back the just recorded portion.
3. Connect the waveform monitor to the video output 1 connector.
4. Adjust VR8007 so that the waveform becomes as shown in Figure E43.

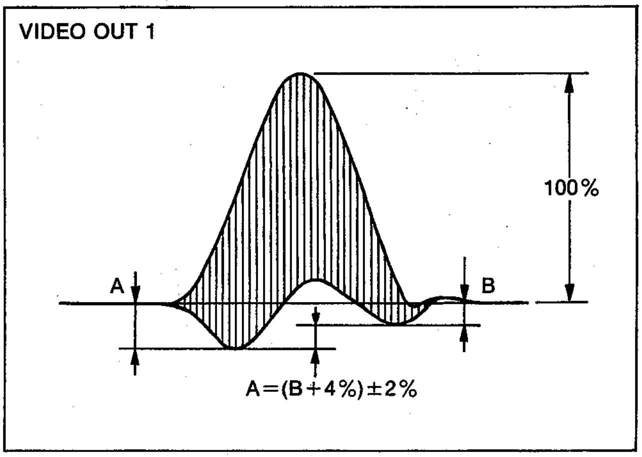


Figure E43

5-3-44. 2H DELAY LEVEL ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
VIDEO OUT 1	VR3502	PAL STILL	50% FLAT FIELD WHITE
TAPE	**M. EQ.**	**SPEC.**	
SELF RECORDED TAPE	WAVEFORM MONITOR	FLICKER IS MINIMIZED (0mVp-p±20mV)	

1. Supply a 50% flat field white signal to the video input and record it for a few minute.
2. Play back the just recorded portion in the still mode.
3. Connect the waveform monitor to the video output 1 connector.
4. Adjust VR3502 so that the flicker of luminance is minimized as possible as shown in Figure E44.

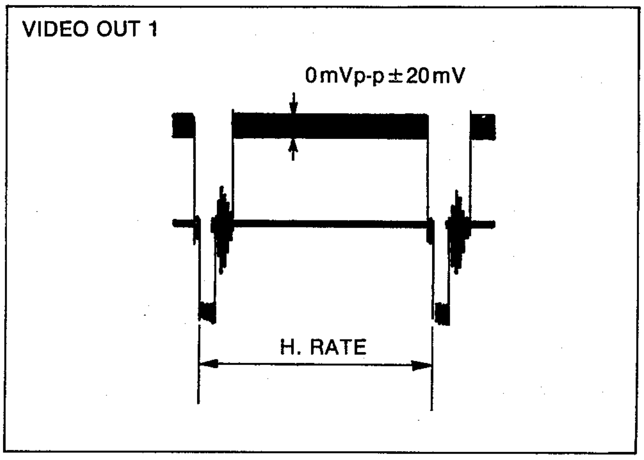


Figure E44

AUDIO SECTION

5–3–45. PREAMP LEVEL ADJUSTMENT (FOR AG–7350)

TP	ADJ.	MODE	INPUT
NORMAL AUDIO OUT (CH1, CH2) Hi-Fi AUDIO OUT (CH1, CH2)	VR4501, VR4502, VR4701, VR4702	PAL STOP	1kHz, −8dBv SINEWAVE
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	V.T.V.M	NORMAL: −8dBv±0.2dBv Hi-Fi: −8dBv±2dBv	

1. Set the signal generator output to 1kHz, −8dBv and supply it to the Normal/Hi–Fi (CH1 & CH2) audio inputs and also supply a colour bar signal to the video input.
2. Set the Audio out SW to the NORM position. Adjust VR4501 (CH1) and VR4502 (CH2) for −8dBv +/−0.2dBv.
3. Set the Audio out SW to the Hi–Fi position. Adjust VR4701 (CH1) and VR4702 (CH2) for −8dBv +/−2dBv.

5–3–46. AUDIO METER ADJUSTMENT (AG–7350)

TP	ADJ.	MODE	INPUT
AUDIO METERS CH1 CH2	VR4503 VR4504	PAL STOP	1kHz, −8dBv SINEWAVE
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	AUDIO METERS	NORMAL: 0Vu±0.5Vu Hi-Fi: 0Vu	

1. Set the signal generator output to 1kHz, −8dBv and supply it to the CH1/CH2 inputs and also supply a colour bar signal to the video input.
2. Set the Audio Output SW to the Hi–Fi.
3. Adjust VR4503 (CH1) and VR4504 (CH2) so that the CH1 and CH2 audio meters show 0VU.
4. Change the Audio Output SW to the Normal.
5. Confirm that the audio meters show 0VU +/− 0.5VU.

5–3–47. NORMAL AUDIO PLAYBACK FREQUENCY RESPONSE ADJUSTMENT

TP	ADJ.	MODE	INPUT
NORM/Hi-Fi OUT (CH1/CH2)	VR4005 (CH1) VR4007 (CH2)	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
VFM8180HADH POSITON ③	OSCILLO-SCOPE	400Hz=5kHz (+/− 0.5dB)	

Note: This adjustment should be always completed before the Normal Audio Playback Gain Adjustment.

1. Play back the alignment tape at portion 3.
2. Connect the oscilloscope to the NORM/Hi–Fi outputs (CH1/CH2) on the rear panel.
3. Adjust VR4005 (CH1) and VR4007 (CH2) so that the 400Hz and 5kHz levels become the same (0 +/−0.5dB) as shown in Figure E45.

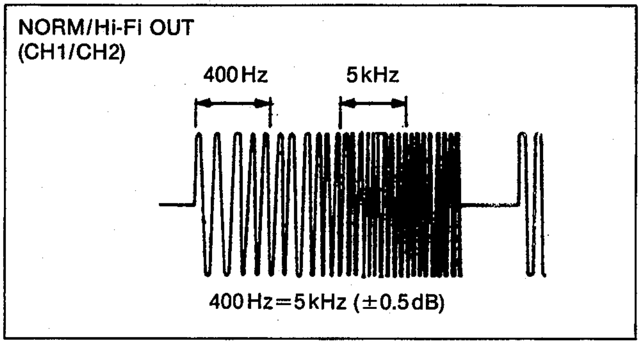


Figure E45

5–3–48. NORMAL AUDIO PLAYBACK GAIN ADJUSTMENT

TP	ADJ.	MODE	INPUT
NORM/Hi-Fi OUT (CH1/CH2)	VR4006 (CH1) VR4008 (CH2)	PAL PLAY	
TAPE	**M. EQ.**	**SPEC.**	
1kHz, −8dBv RECORDED TAPE	OSCILLO-SCOPE	300mVp-p	

Note: This adjustment should be completed after completion of the Audio Meter Adjustment and Normal Audio Playback Frequency Adjustment.

1. Prepare the prercorded tape which recorded a audio 1kHz, −8dBv signal on another unit such as AG–7350.
2. Set the Audio out switch to the normal position.
3. Play back the above prerecorded tape and confirm that the audio CH1 and CH2 meters show on the front panel 0Vu.
4. Connect the V.T.V.M. to the audio CH1 or CH2 output on the rear panel.
5. Adjust VR4006 (CH1) or VR4008 (CH2) so that the output level is −8dBv +/− 0.3dBv.

5-3-49. NORMAL AUDIO BIAS CURRENT ADJUSTMENT (FOR AG-7350)

TP	ADJ.	MODE	INPUT
A/C HEAD	VR4003 (S-VHS CH1) VR4009 (S-VHS CH2) VR4002 (VHS CH1) VR4004 (VHS CH2)	PAL VHS, S-VHS RECORDEING	
TAPE	**M. EQ.**	**SPEC.**	
S-VHS, VHS BLANK TAPE	V.T.V.M	S-VHS: 5.5±0.1 mVrms VHS: 4±0.1 mVrms	

1. Insert a S–VHS blank tape and place the unit in S–VHS recording mode.
2. Connect the V.T.V.M to the A/C Head as shown in Figure E47.
3. Adjust VR4003 (CH1) and VR4009 (CH2) for 5.5 +/–0.1mVrms.
4. Insert a VHS blank tape and place the unit in normal VHS recording mode.
5. Adjust VR4002 (CH1) and VR4004 (CH2) for 4 +/–0.1mVrms.

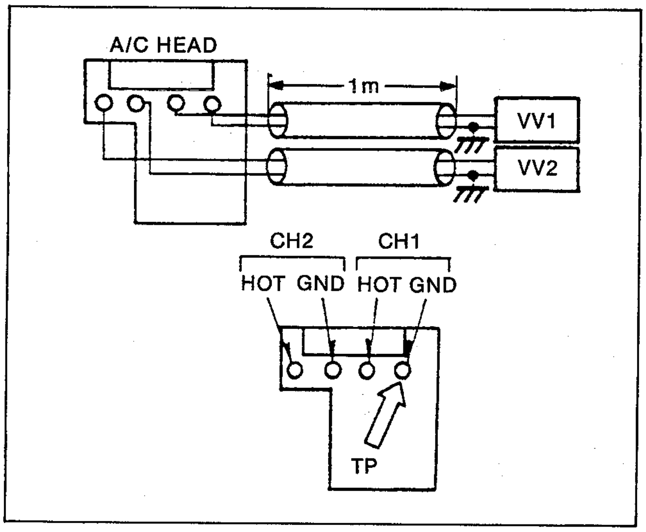


Figure E47

5-3-50. NORMAL AUDIO REC CURRENT ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4007 (CH1), TP4012 (CH2) NORM/Hi-Fi OUT (CH1/CH2)	VR4010 (CH1) VR4011 (CH2)	PAL SELF RECORDING	1kHz, –8dBv SINEWAVE COLOUR BAR
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	V.T.V.M	S-VHS: 0±0.5dBv VHS: 0±1.0dBv	

1. Insert a blank tape and place the unit in recording mode.
2. Connect two V.T.V.M.s as follow.

V.T.V.M.(1) : NORM/HI–FI CH1/CH2 OUTPUTS
V.T.V.M.(2) : TP4007 (CH1) / TP4012(CH2)

3. Set the signal generator to 1kHz, –8dBv and supply it to the NORM/Hi–Fi Audio Input (CH1/CH2).
4. Pre–adjust VR4010 (CH1) and VR4011 (CH2) so that the reading of V.T.V.M (2) are approx. 400mVp–p.
   And it suppose the reading of V.T.V.M.(1) would be 0dBm in this time.
5. After this adjustment, record a colour bar and 1KHz, –8dBv sinewave signal for a few minute. And playback the just recorded portion and confirm that the audio level at the NORM/HI–FI CH1/CH2 output for 0dbm.
6. If the playback audio level at the NORM/HI–FI CH1/CH2 outputs are not 0dbm, re–adjust VR4010(CH1), VR4011(CH2) based on 400mVp–p at TP4007/TP4012 and repeat steps 3 to 6.

5-3-51. NORMAL AUDIO TIME CODE METER LEVEL ADJUSTMENT (AG-7350)

TP	ADJ.	MODE	INPUT
CH2 AUDIO METER	VR4001	PAL RECORDING	TIME CODE SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE		0±0.5Vu	

1. Install RS–232 interface with time code generator/Reader board (AG–IA232TC) into the VTR.
2. Set the Audio CH2 selection on the OSD to the Time Code mode.
3. Set the Meter select SW to the Normal.
4. Place the unit in the time code recording
5. Adjust VR4001 so that the audio CH2 level meter indicates 0 +/–0.5VU point on the front panel.

5–3–52. NTSC Hi–Fi AUDIO HEAD SWITCHING SHIFER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4706 (H SW) TP4705 or TP4707	VR4708	NTSC PLAY	☒
TAPE	**M. EQ.**	**SPEC.**	
VFM8080HQFP PORTION: 2	OSCILLO- SCOPE	NO HEAD SWITCHING GAP	

1. Set the TV System switch to the NTSC position.
2. Play back the NTSC alignment tape at the portion 2.
3. Connect the oscilloscope CH1 to TP4706 and CH2 to TP4705 or TP4707.
4. Adjust VR4708 so that the head switching gap is not occured as shown in Figure E48.
5. Turn the tracking VR on the front panel from CCW position to CW position and confirm that the head switching gap is not occured.

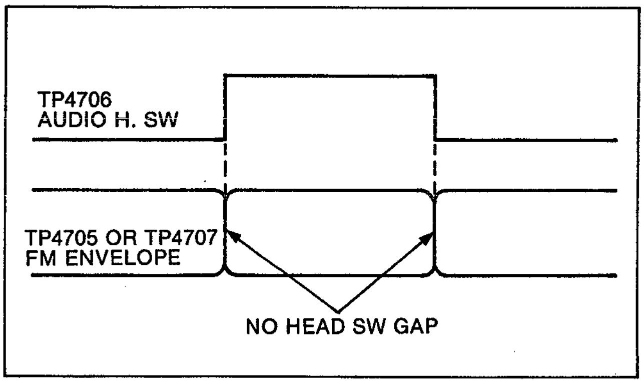


Figure E48

5–3–53. PAL Hi–Fi AUDIO HEAD SWITCHING SHIFTER ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4706 (H SW) TP4705 or TP4707	VR4707	PAL PLAY	☒
TAPE	**M. EQ.**	**SPEC.**	
VFM8180HADH POSITON 2	OSCILLO- SCOPE	NO HEAD SWITCHING GAP	

This adjustment should be always compleded after NTSC Hi–Fi audio head switching shifter adjustment.

1. Set the TV system switch to the PAL position.
2. Play back the alignment tape at portion 2.
3. Connect the oscilloscope CH1 to TP4706 and CH2 to TP4705 or TP4707.
4. Adjust VR4707 so that the head switching gap is not occured as shown in Figure E49.
5. Turn the tracking VR on the front panel from CCW position to CW position and confirm that the head switching gap is not occured.

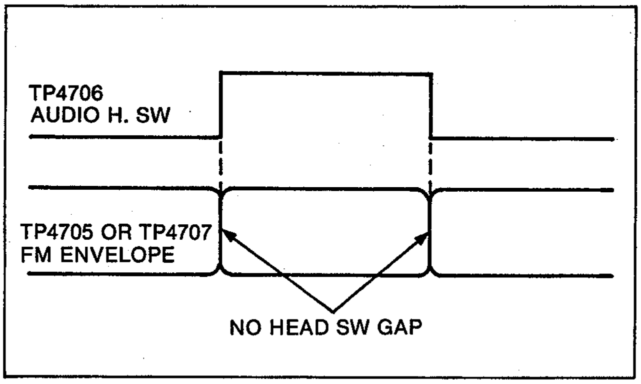


Figure E49

5–3–54. NTSC Hi–Fi AUDIO CARRIER FREQUENCY ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4704 TP4708	VR4703 VR4711	NTSC STOP	☒
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	FREQUENCY COUNTER	1.3MHz +/− 10kHz (CH1) 1.7MHz +/− 10kHz (CH2)	

1. Make a short circuit between both Hi–Fi audio Inputs (CH1 & CH2) and GND.
2. Set the TV system switch to the NTSC position.
3. Connect the frequency counter to TP4704 (CH1) or TP4708 (CH2).
4. Adjust VR4703 (CH1) or VR4711 (CH2) so that the reading of frequency counter is 1.3MHz +/−10KHz for CH1 and 1.7KHz +/−10KHz for CH2.

5–3–55. PAL Hi–Fi AUDIO CARRIER FREQUENCY ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4704 TP4708	VR4705 VR4710	PAL STOP	☒
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	FREQUENCY COUNTER	1.3MHz +/− 10kHz (CH1) 1.7MHz +/− 10kHz (CH2)	

1. Make a short circuit between both Hi–Fi audio inputs (CH1 & CH2) and GND.
2. Set the TV system switch to the PAL position.
3. Connect the frequency counter to TP4704 (CH1), TP4708 (CH2).
4. Adjust VR4705 (CH1) or VR4710 (CH2) so that the reading of frequency counter is 1.3MHz +/− 10kHz for CH1 and 1.7kHz +/− 10kHz for CH2.

5–3–56. NTSC Hi–Fi AUDIO DEVIATION ADJUSTMENT

TP	ADJ.	MODE	INPUT
TP4704 TP4708	VR4704 VR4712	NTSC STOP	1kHz, −8dBv SINEWAVE
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	SPECTRUM ANALYZER	fw=100kHz +/− 5kHz	

1. Set the TV system switch to the NTSC position.
2. Set the signal generator to 1KHz, –8dBv and supply it to the Hi–Fi Audio Inputs (CH1/CH2).
3. Connect the spectrum analyzer to TP4704 and set its centre frequency to 1.3MHz.
4. Adjust VR4704 (CH1) so that the width of fw portion becomes 100KHz +/– 5KHz as shown below.
5. Re–connect the probe of spectrum analyzer to TP4708 (CH2) and set its centre frequency to 1.7MHz.
6. Adjust VR4712 (CH2) so that the width of fw portion becomes 100KHz +/–5KHz as shown in Figure E50.

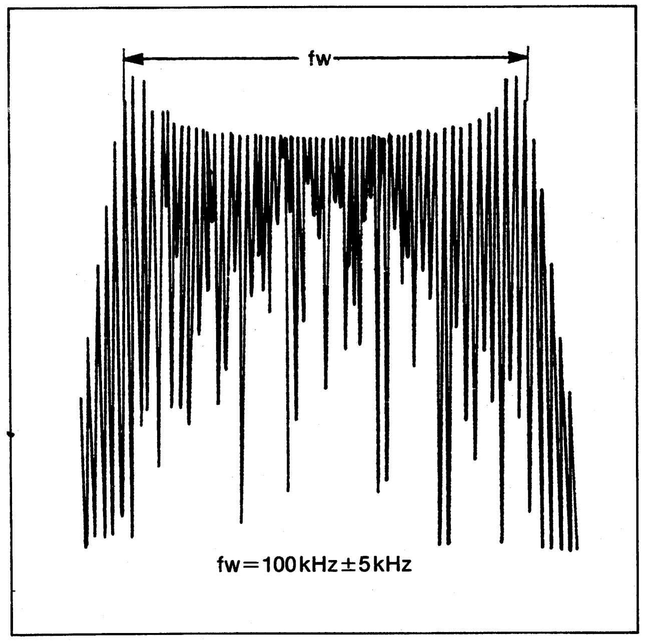


Figure E50

5–3–57. Hi–Fi AUDIO REC CURRENT ADJUSTMENT (FOR AG–7350)

TP	ADJ.	MODE	INPUT
TP5001 (HOT)	VR4706 VR4709	PAL RECORDING	NO SIGNAL
TAPE	**M. EQ.**	**SPEC.**	
BLANK TAPE	OSCILLO- SCOPE	CH1: 80mVp-p +/− 5mV CH2: 260mVp-p +/− 5mV	

1. Make the short circuit between both Hi–Fi audio Inputs (CH1/CH2) and GND.
2. Place the unit in the recording mode.
3. Fully close VR4709 so that the CH2 recording current is cut.
4. Connect the oscilloscope to TP5001 (HOT).
5. Adjust VR4706 for 80 +/–5mVp–p as shown in Figure E51.
6. Adjust VR4709 for 270 +/–5mVp–p as shown in Figure E52.

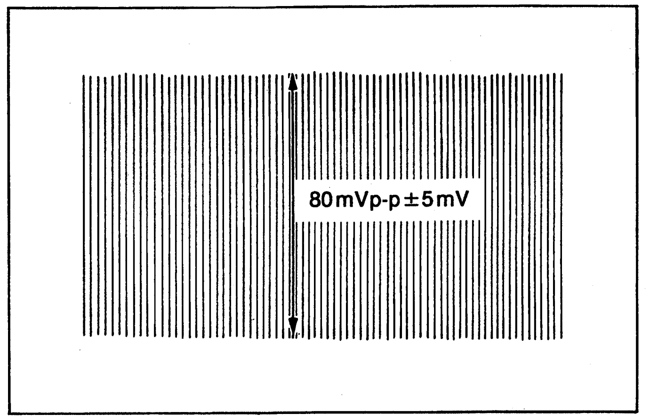


Figure E51

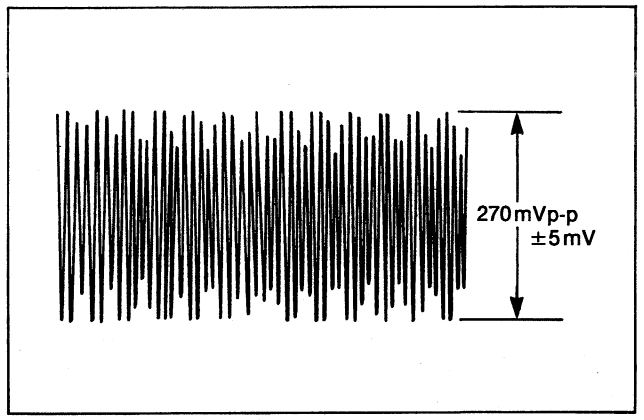


Figure E52

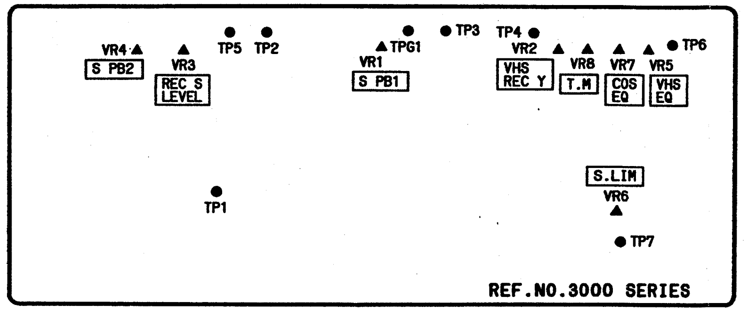
5–3–58. Hi–Fi AUDIO PLAYBACK LEVEL ADJUSTMENT (FOR AG–7150)

TP	ADJ.	MODE	INPUT
Hi-Fi AUDIO OUT (CH1/CH2)	VR4704 VR4712	PAL PLAY	☒
TAPE	**M. EQ.**	**SPEC.**	
−8dBv, 1kHz RECORDED TAPE	V.T.V.M	−8dBv±1	

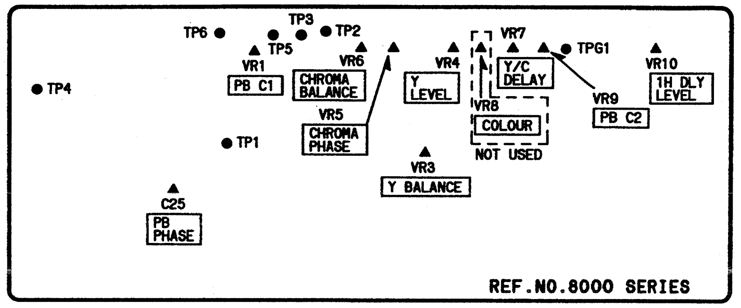
1. Prepare the prerecorded tape which recorded a audio 1kHz, –8dBv signal on another set such as AG–7350.
2. Play back the prerecorded tape.
3. Connect the V.T.V.M to Hi–Fi Audio outputs (CH1/CH2).
4. Adjust VR4704 (CH1) or VR4712 (CH2) so that the reading of V.T.V.M is –8dBv +/–1dBv.

LOCATION OF TEST POINTS & CONTROLS

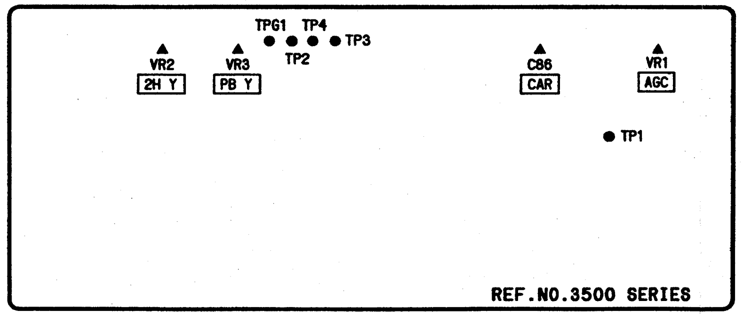
VIDEO (1) C.B.A. (VEP03877A:AG-7350/VEP03877B:AG-7150)


VR4
S PB2
VR3
REC S LEVEL
TP5
TP2
TP1
VR1
S PB1
TPG1
TP3
TP4
VR2
VHS REC Y
VR8
T.M
VR7
COS EQ
VR5
VHS EQ
TP6
S.LIM
VR6
TP7
REF.NO.3000 SERIES

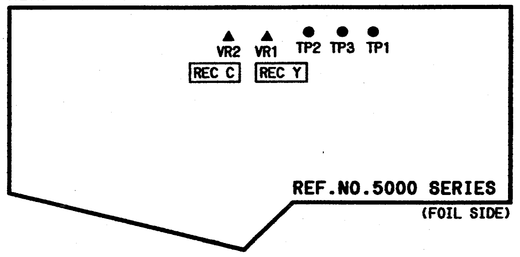
VIDEO (2) C.B.A. (VEP03878A:AG-7350/VEP03878B:AG-7150)


TP4
TP6
TP3
TP2
TP5
VR1
PB C1
VR6
CHROMA BALANCE
VR5
CHROMA PHASE
TP1
VR4
Y LEVEL
VR3
Y BALANCE
VR7
Y/C DELAY
VR8
COLOUR
NOT USED
TPG1
VR9
PB C2
VR10
1H DLY LEVEL
C25
PB PHASE
REF.NO.8000 SERIES

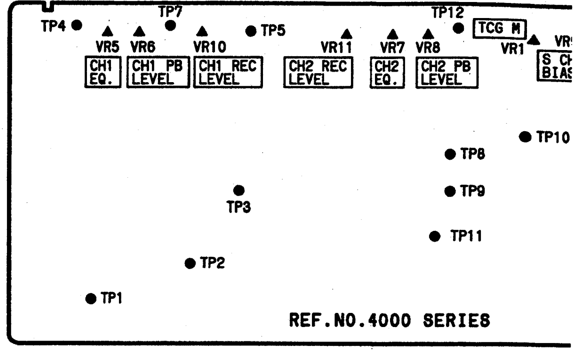
VIDEO (3) C.B.A. (VEP03879A:AG-7350/VEP03879B:AG-7150)


VR2
2H Y
VR3
PB Y
TPG1
TP4
TP3
TP2
C86
CAR
VR1
AGC
TP1
REF.NO.3500 SERIES

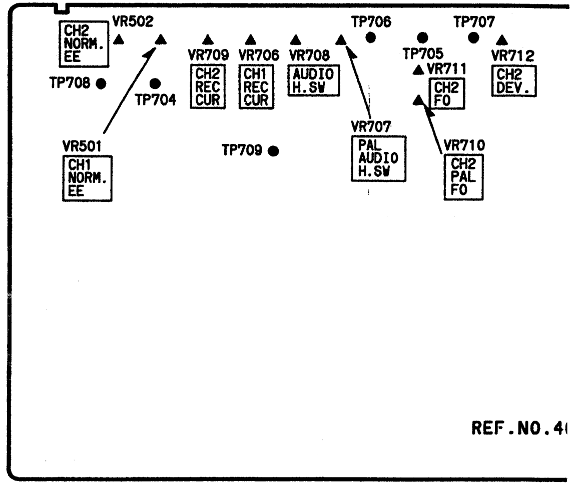
HEAD AMP C.B.A. (VEP05162C:AG-7350/VEP05162D:AG-7150)


VR2
VR1
TP2
TP3
TP1
REC C
REC Y
REF.NO.5000 SERIES
(FOIL SIDE)

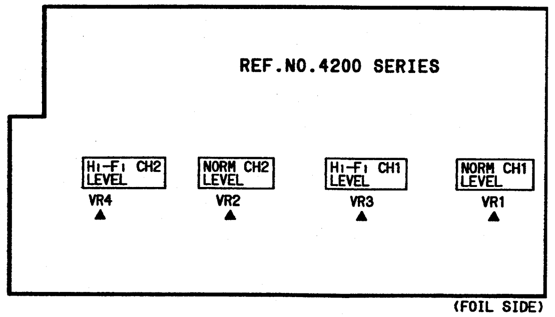
AUDIO (1) C.B.A. (VEP04326C:AG-7350/VEP04326D:AG-7


TP4
TP7
VR5
CH1 EQ.
VR6
CH1 PB LEVEL
VR10
CH1 REC LEVEL
TP5
VR11
CH2 REC LEVEL
VR7
CH2 EQ.
VR8
CH2 PB LEVEL
TP12
TCG M
VR1
S CH BIAS
TP10
TP8
TP9
TP3
TP11
TP2
TP1
REF.NO.4000 SERIES

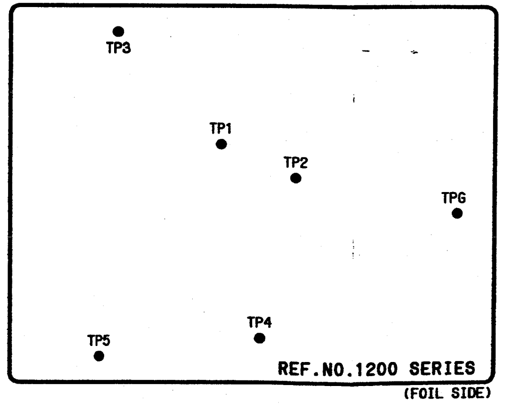
AUDIO (2) C.B.A. (VEP04327C:AG-7350/VEP04327D:AG-


CH2 NORM. EE
VR502
TP708
TP704
VR501
CH1 NORM. EE
VR709
CH2 REC CUR
VR706
CH1 REC CUR
VR708
AUDIO H.SW
TP706
VR707
PAL AUDIO H.SW
TP709
TP707
TP705
VR711
CH2 FO
VR710
CH2 PAL FO
VR712
CH2 DEV.
REF.NO.4

AUDIO METER C.B.A. (VEP04328A)

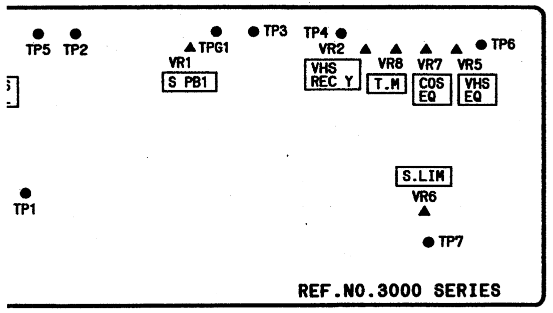

REF.NO.4200 SERIES
Hi-Fi CH2 LEVEL
VR4
NORM CH2 LEVEL
VR2
Hi-Fi CH1 LEVEL
VR3
NORM CH1 LEVEL
VR1
(FOIL SIDE)

POWER DETECTION C.B.A. (VEP01471A)

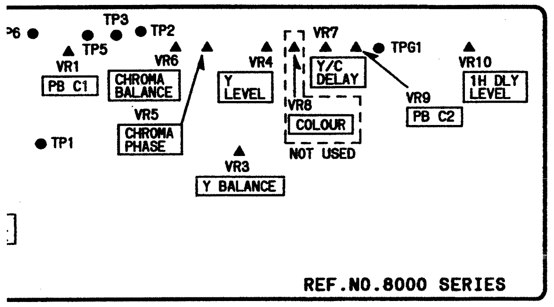

TP3
TP1
TP2
TP6
TP4
TP5
REF.NO.1200 SERIES
(FOIL SIDE)

N OF TEST POINTS & CONTROLS

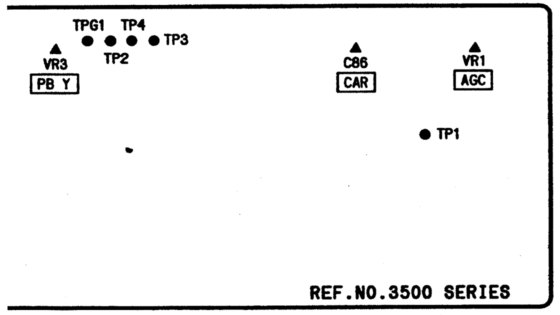
(VEP03877A:AG-7350/VEP03877B:AG-7150)


TP5 TP2
TPG1
VR1
S PB1
TP3
TP4
VR2
VHS REC Y
VR8
T.M
VR7
COS EQ
VR5
VHS EQ
TP6
S.LIM
VR6
TP1
TP7
REF.NO.3000 SERIES

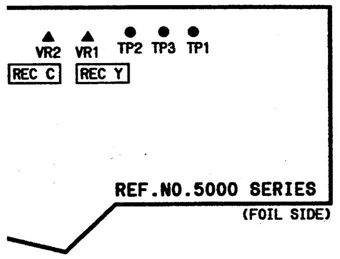
(VEP03878A:AG-7350/VEP03878B:AG-7150)


TP3
TP2
TP5
VR1
PB C1
VR6
CHROMA BALANCE
VR5
CHROMA PHASE
TP1
VR4
Y LEVEL
VR3
Y BALANCE
VR7
Y/C DELAY
VR8
COLOUR
NOT USED
TPG1
VR9
PB C2
VR10
1H DLY LEVEL
REF.NO.8000 SERIES

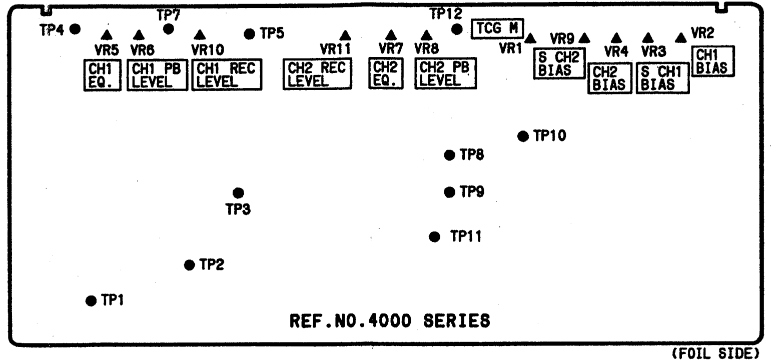
(VEP03879A:AG-7350/VEP03879B:AG-7150)


TPG1 TP4
TP3
VR3
PB Y
TP2
C86
CAR
VR1
AGC
TP1
REF.NO.3500 SERIES

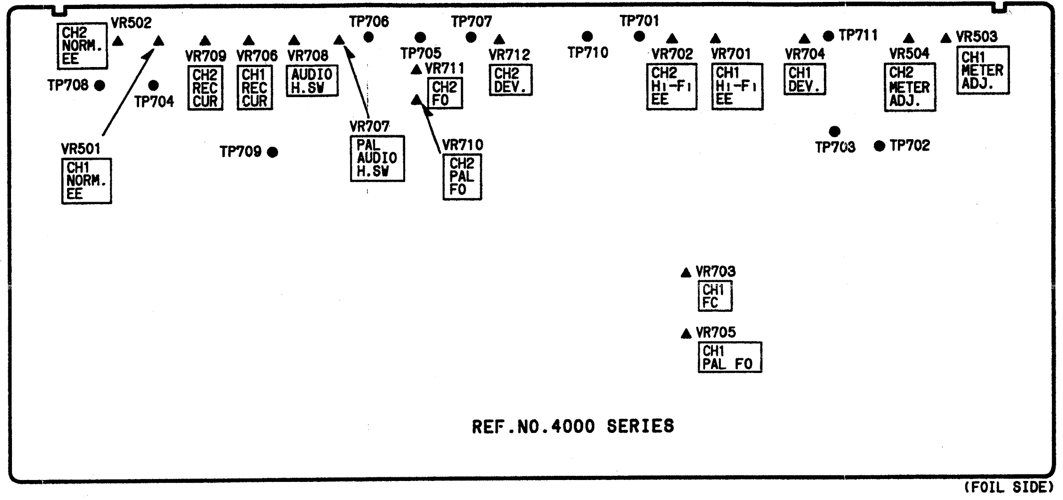
(VEP05162C:AG-7350/VEP05162D:AG-7150)


VR2 VR1 TP2 TP3 TP1
REC C
REC Y
REF.NO.5000 SERIES
(FOIL SIDE)

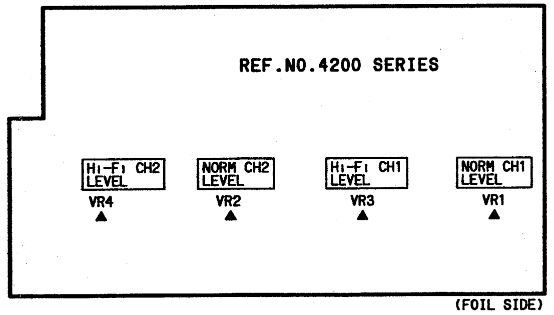
AUDIO (1) C.B.A. (VEP04326C:AG-7350/VEP04326D:AG-7150)


TP4
TP7
VR5
CH1 EQ.
VR6
CH1 PB LEVEL
VR10
CH1 REC LEVEL
TP5
VR11
CH2 REC LEVEL
VR7
CH2 EQ.
VR8
CH2 PB LEVEL
TP12
TCG M
VR1
VR9
S CH2 BIAS
CH2 BIAS
VR4
VR3
S CH1 BIAS
VR2
CH1 BIAS
TP10
TP8
TP3
TP9
TP11
TP2
TP1
REF.NO.4000 SERIES
(FOIL SIDE)

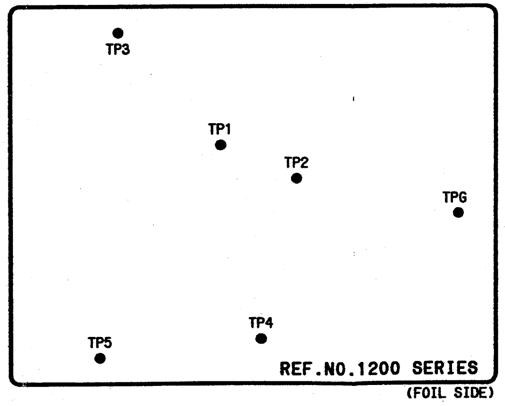
AUDIO (2) C.B.A. (VEP04327C:AG-7350/VEP04327D:AG-7150)


CH2 NORM. EE
VR502
TP708
TP704
VR501
CH1 NORM. EE
VR709
CH2 REC CUR
VR706
CH1 REC CUR
VR708
AUDIO H.SW
TP706
VR707
PAL AUDIO H.SW
TP709
TP707
TP705
VR711
CH2 FO
VR710
CH2 PAL FO
VR712
CH2 DEV.
TP710
TP701
VR702
CH2 Hi-Fi EE
VR701
CH1 Hi-Fi EE
VR704
CH1 DEV.
TP711
VR504
CH2 METER ADJ.
VR503
CH1 METER ADJ.
TP703
TP702
VR703
CH1 FC
VR705
CH1 PAL FO
REF.NO.4000 SERIES
(FOIL SIDE)

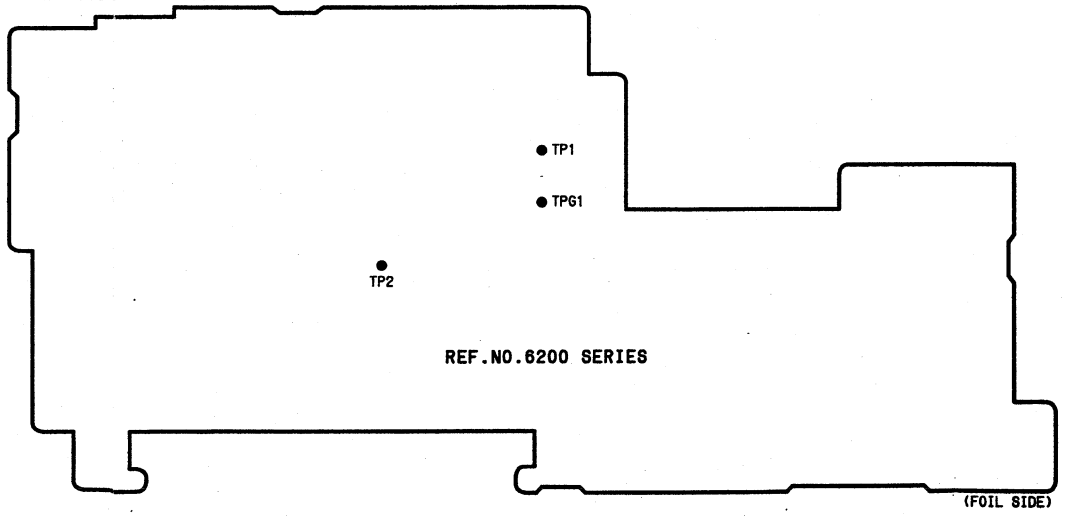
AUDIO METER C.B.A. (VEP04328A)


REF.NO.4200 SERIES
Hi-Fi CH2 LEVEL
VR4
NORM CH2 LEVEL
VR2
Hi-Fi CH1 LEVEL
VR3
NORM CH1 LEVEL
VR1
(FOIL SIDE)

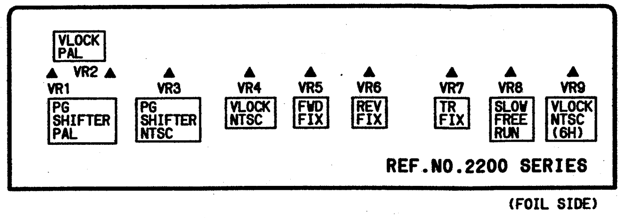
POWER DETECTION C.B.A. (VEP01471A)


TP3
TP1
TP2
TP6
TP4
TP5
REF.NO.1200 SERIES
(FOIL SIDE)

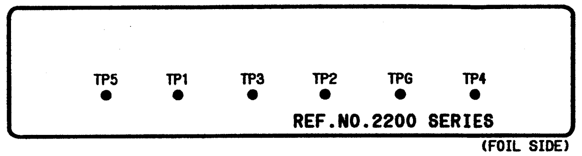
FRONT C.B.A. (VEP06749C:AG-7350/VEP06749D:AG-7150)


TP1
TPG1
TP2
REF.NO.6200 SERIES
(FOIL SIDE)

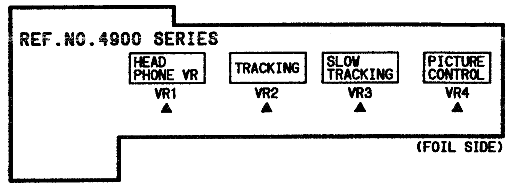
SERVO VR C.B.A. (VEP00R51B)


VLOCK PAL
VR2
VR1
PG SHIFTER PAL
VR3
PG SHIFTER NTSC
VR4
VLOCK NTSC
VR5
FWD FIX
VR6
REV FIX
VR7
TR FIX
VR8
SLOW FREE RUN
VR9
VLOCK NTSC (6H)
REF.NO.2200 SERIES
(FOIL SIDE)

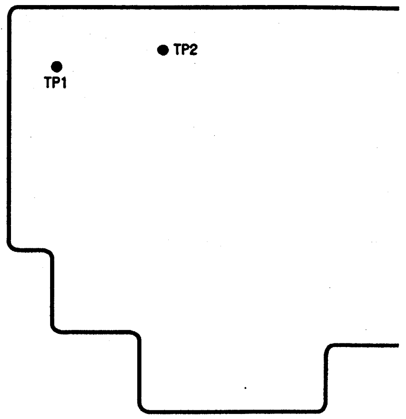
SERVO TP C.B.A.(VEP00R80A)


TP5 TP1 TP3 TP2 TPG TP4
REF.NO.2200 SERIES
(FOIL SIDE)

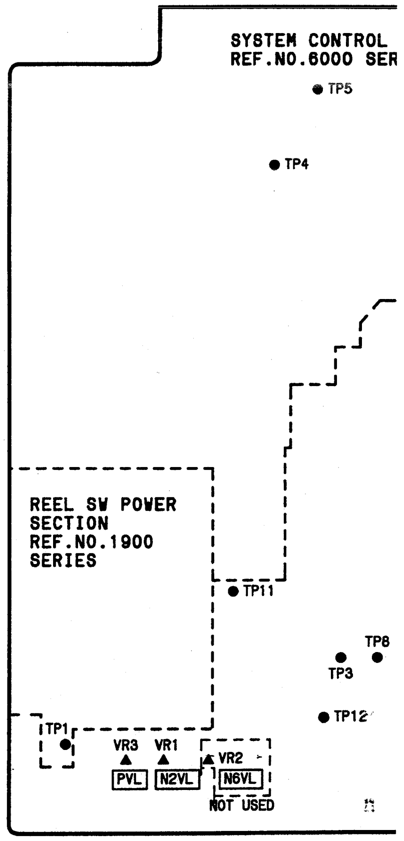
FRONT JACK C.B.A. (VEP04342A)


REF.NO.4900 SERIES
HEAD PHONE VR
VR1
TRACKING
VR2
SLOW TRACKING
VR3
PICTURE CONTROL
VR4
(FOIL SIDE)

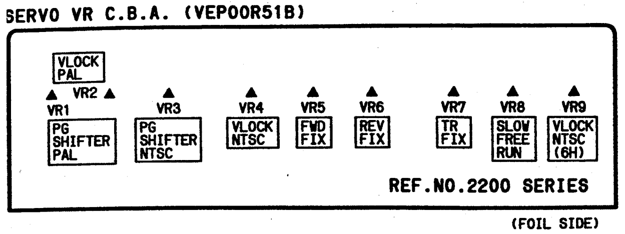
REEL SERVO C.B.A. (VEP02377A)



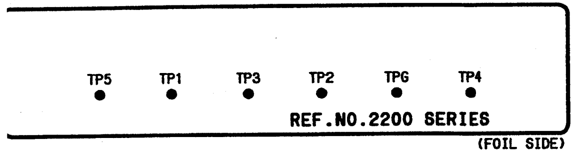
SERVO & SYSTEM CONTROL C.B.A.(VEPO


SYSTEM CONTROL
REF.NO.6000 SER
TP5
TP4
REEL SW POWER SECTION
REF.NO.1900 SERIES
TP11
TP8
TP3
TP12
TP1
VR3 VR1
PVL
N2VL
VR2
N6VL
NOT USED

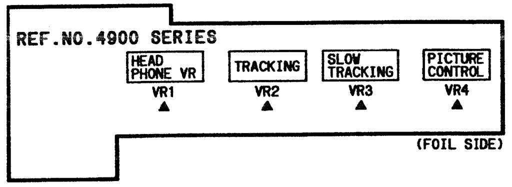
SERVO VR C.B.A. (VEP00R51B)


VLOCK PAL
VR2
VR1
PG SHIFTER PAL
VR3
PG SHIFTER NTSC
VR4
VLOCK NTSC
VR5
FWD FIX
VR6
REV FIX
VR7
TR FIX
VR8
SLOW FREE RUN
VR9
VLOCK NTSC (6H)
REF.NO.2200 SERIES
(FOIL SIDE)

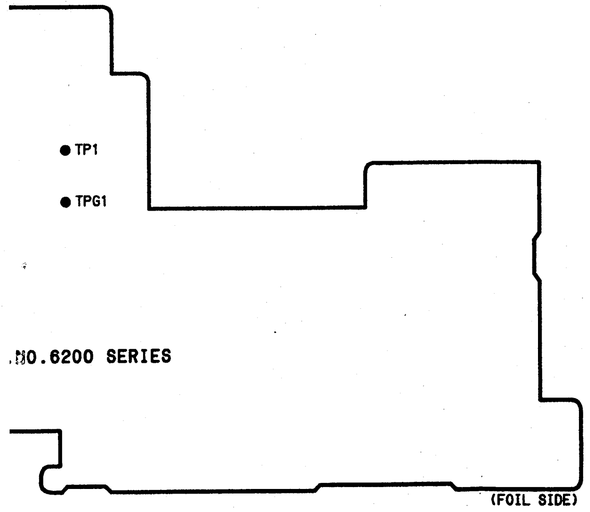
ERVO TP C.B.A.(VEP00R80A)


TP5
TP1
TP3
TP2
TP6
TP4
REF.NO.2200 SERIES
(FOIL SIDE)

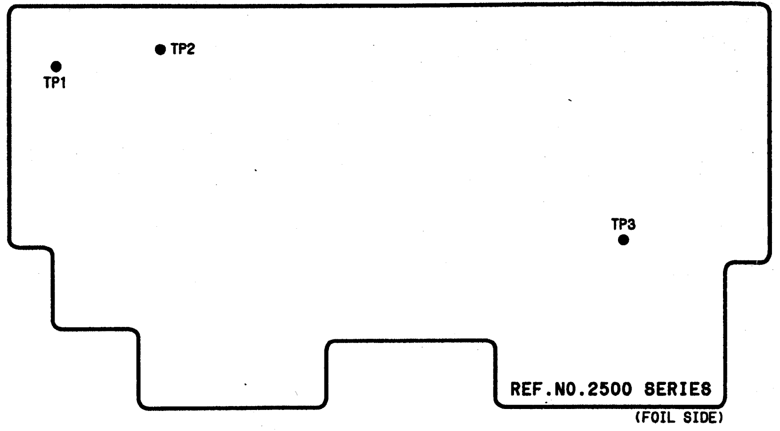
FRONT JACK C.B.A. (VEP04342A)


REF.NO.4900 SERIES
HEAD PHONE VR
VR1
TRACKING
VR2
SLOW TRACKING
VR3
PICTURE CONTROL
VR4
(FOIL SIDE)

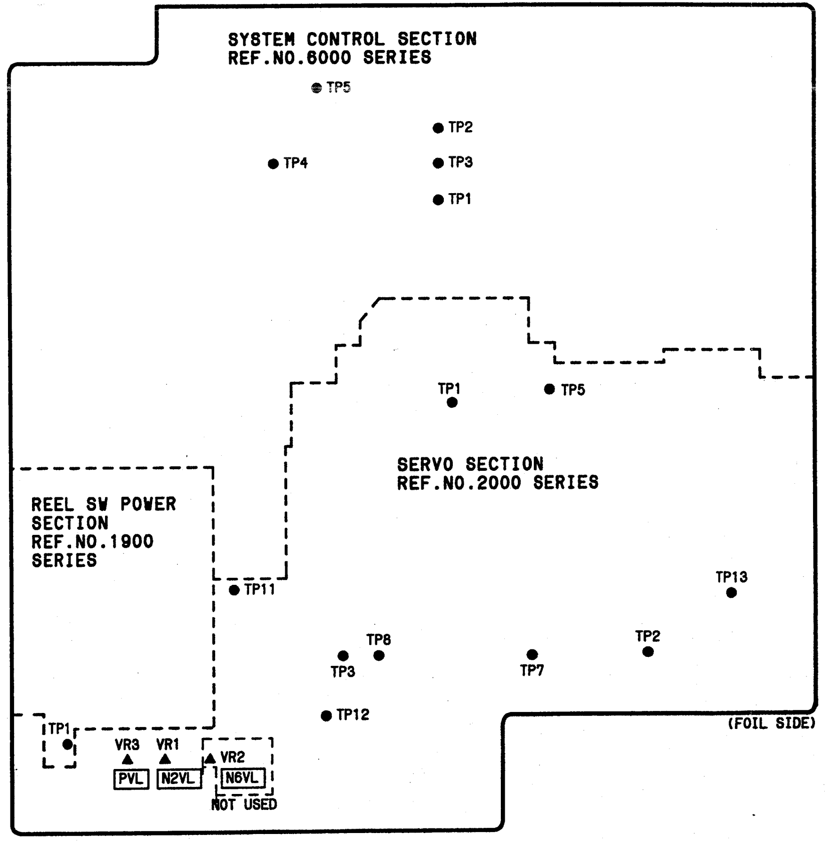
G-7150)


TP1
TPG1
NO.6200 SERIES
(FOIL SIDE)

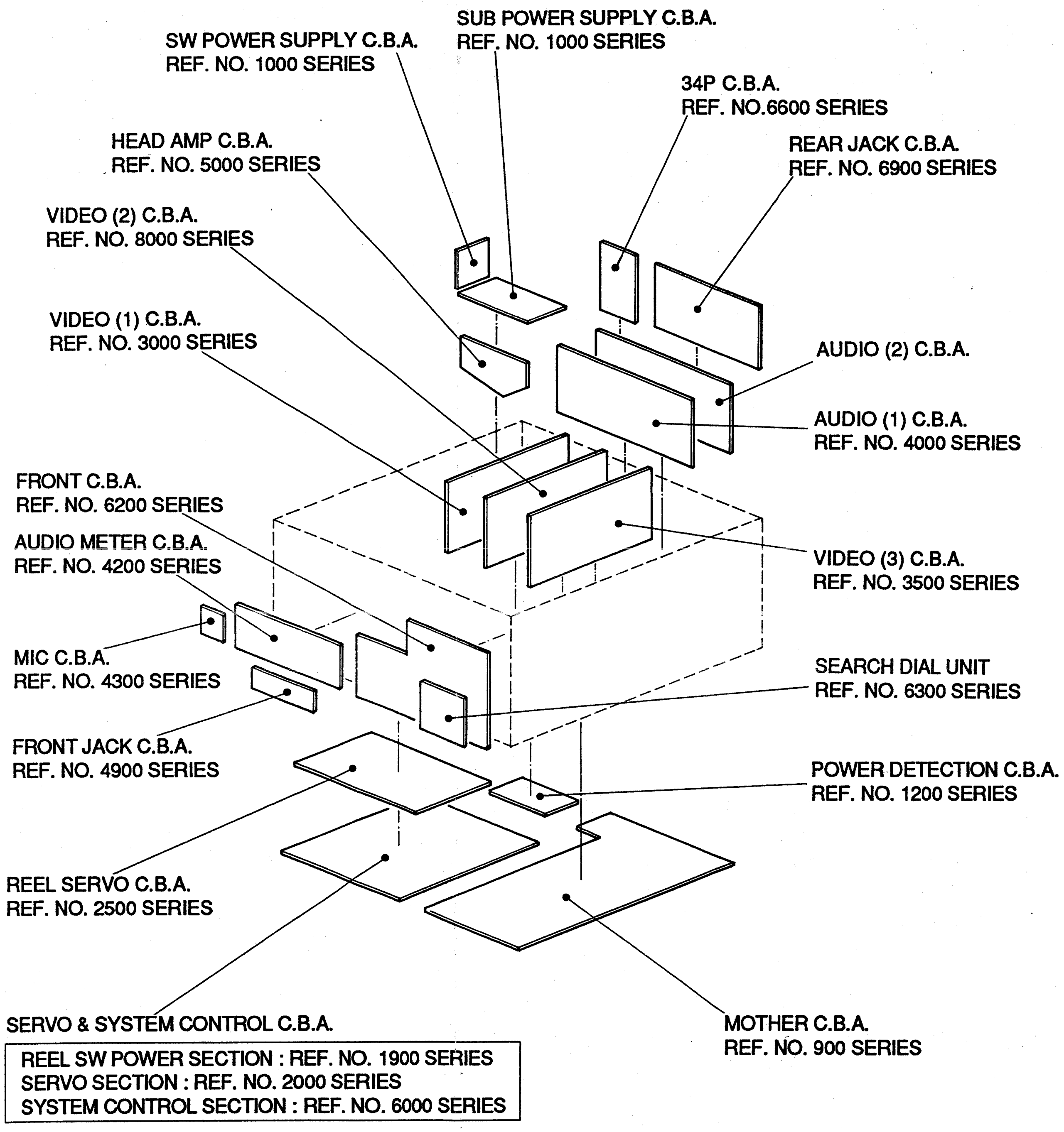
REEL SERVO C.B.A. (VEP02377A)


TP2
TP1
TP3
REF.NO.2500 SERIES
(FOIL SIDE)

SERVO & SYSTEM CONTROL C.B.A.(VEP06729D)


SYSTEM CONTROL SECTION
REF.NO.6000 SERIES
TP5
TP2
TP4
TP3
TP1
TP1
TP5
SERVO SECTION
REF.NO.2000 SERIES
REEL SW POWER SECTION
REF.NO.1900 SERIES
TP11
TP13
TP8
TP3
TP2
TP7
TP12
TP1
VR3
VR1
VR2
PVL
N2VL
N6VL
NOT USED
(FOIL SIDE)

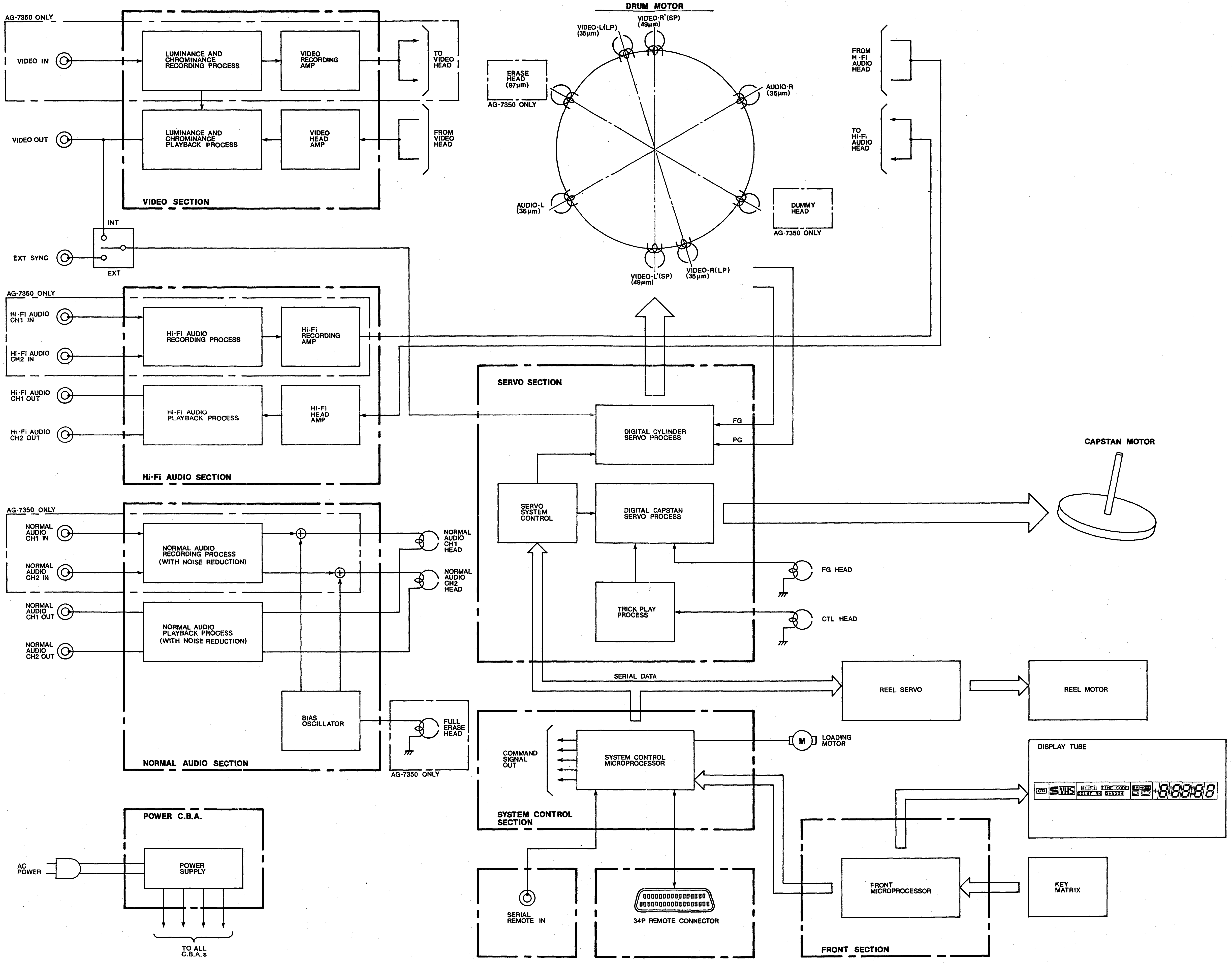
CIRCUIT BOARD LAYOUT


SW POWER SUPPLY C.B.A.
REF. NO. 1000 SERIES
SUB POWER SUPPLY C.B.A.
REF. NO. 1000 SERIES
34P C.B.A.
REF. NO.6600 SERIES
HEAD AMP C.B.A.
REF. NO. 5000 SERIES
REAR JACK C.B.A.
REF. NO. 6900 SERIES
VIDEO (2) C.B.A.
REF. NO. 8000 SERIES
VIDEO (1) C.B.A.
REF. NO. 3000 SERIES
AUDIO (2) C.B.A.
AUDIO (1) C.B.A.
REF. NO. 4000 SERIES
FRONT C.B.A.
REF. NO. 6200 SERIES
AUDIO METER C.B.A.
REF. NO. 4200 SERIES
VIDEO (3) C.B.A.
REF. NO. 3500 SERIES
MIC C.B.A.
REF. NO. 4300 SERIES
SEARCH DIAL UNIT
REF. NO. 6300 SERIES
FRONT JACK C.B.A.
REF. NO. 4900 SERIES
POWER DETECTION C.B.A.
REF. NO. 1200 SERIES
REEL SERVO C.B.A.
REF. NO. 2500 SERIES
SERVO & SYSTEM CONTROL C.B.A.
REEL SW POWER SECTION : REF. NO. 1900 SERIES
SERVO SECTION : REF. NO. 2000 SERIES
SYSTEM CONTROL SECTION : REF. NO. 6000 SERIES
MOTHER C.B.A.
REF. NO. 900 SERIES

AUDIO (2) C.B.A.

I/O SECTION : REF. NO. 4500 SERIES
Hi-Fi AUDIO SECTION : REF. NO. 4700 SERIES

OVERALL BLOCK DIAGRAM


AG-7350 ONLY
VIDEO IN
LUMINANCE AND CHROMINANCE RECORDING PROCESS
VIDEO RECORDING AMP
TO VIDEO HEAD
VIDEO OUT
LUMINANCE AND CHROMINANCE PLAYBACK PROCESS
VIDEO HEAD AMP
FROM VIDEO HEAD
VIDEO SECTION
INT
EXT SYNC
EXT
DRUM MOTOR
VIDEO-L(LP) (35µm)
VIDEO-R'(SP) (49µm)
ERASE HEAD (97µm)
AG-7350 ONLY
AUDIO-R (36µm)
AUDIO-L (36µm)
DUMMY HEAD
AG-7350 ONLY
VIDEO-L'(SP) (49µm)
VIDEO-R(LP) (35µm)
FROM H-Fi AUDIO HEAD
TO HI-FI AUDIO HEAD
AG-7350 ONLY
Hi-Fi AUDIO CH1 IN
Hi-Fi AUDIO RECORDING PROCESS
Hi-Fi RECORDING AMP
Hi-Fi AUDIO CH2 IN
Hi-Fi AUDIO CH1 OUT
Hi-Fi AUDIO PLAYBACK PROCESS
Hi-Fi HEAD AMP
Hi-Fi AUDIO CH2 OUT
Hi-Fi AUDIO SECTION
SERVO SECTION
DIGITAL CYLINDER SERVO PROCESS
FG
PG
CAPSTAN MOTOR
SERVO SYSTEM CONTROL
DIGITAL CAPSTAN SERVO PROCESS
FG HEAD
TRICK PLAY PROCESS
CTL HEAD
AG-7350 ONLY
NORMAL AUDIO CH1 IN
NORMAL AUDIO RECORDING PROCESS (WITH NOISE REDUCTION)
NORMAL AUDIO CH1 HEAD
NORMAL AUDIO CH2 IN
NORMAL AUDIO CH2 HEAD
NORMAL AUDIO CH1 OUT
NORMAL AUDIO PLAYBACK PROCESS (WITH NOISE REDUCTION)
NORMAL AUDIO CH2 OUT
BIAS OSCILLATOR
FULL ERASE HEAD
AG-7350 ONLY
NORMAL AUDIO SECTION
SERIAL DATA
REEL SERVO
REEL MOTOR
COMMAND SIGNAL OUT
SYSTEM CONTROL MICROPROCESSOR
M
LOADING MOTOR
DISPLAY TUBE
S-VHS
Hi-Fi
DOLBY NR
TIME CODE
SENSOR
SYSTEM CONTROL SECTION
POWER C.B.A.
AC POWER
POWER SUPPLY
TO ALL C.B.A.s
SERIAL REMOTE IN
34P REMOTE CONNECTOR
FRONT MICROPROCESSOR
KEY MATRIX
FRONT SECTION

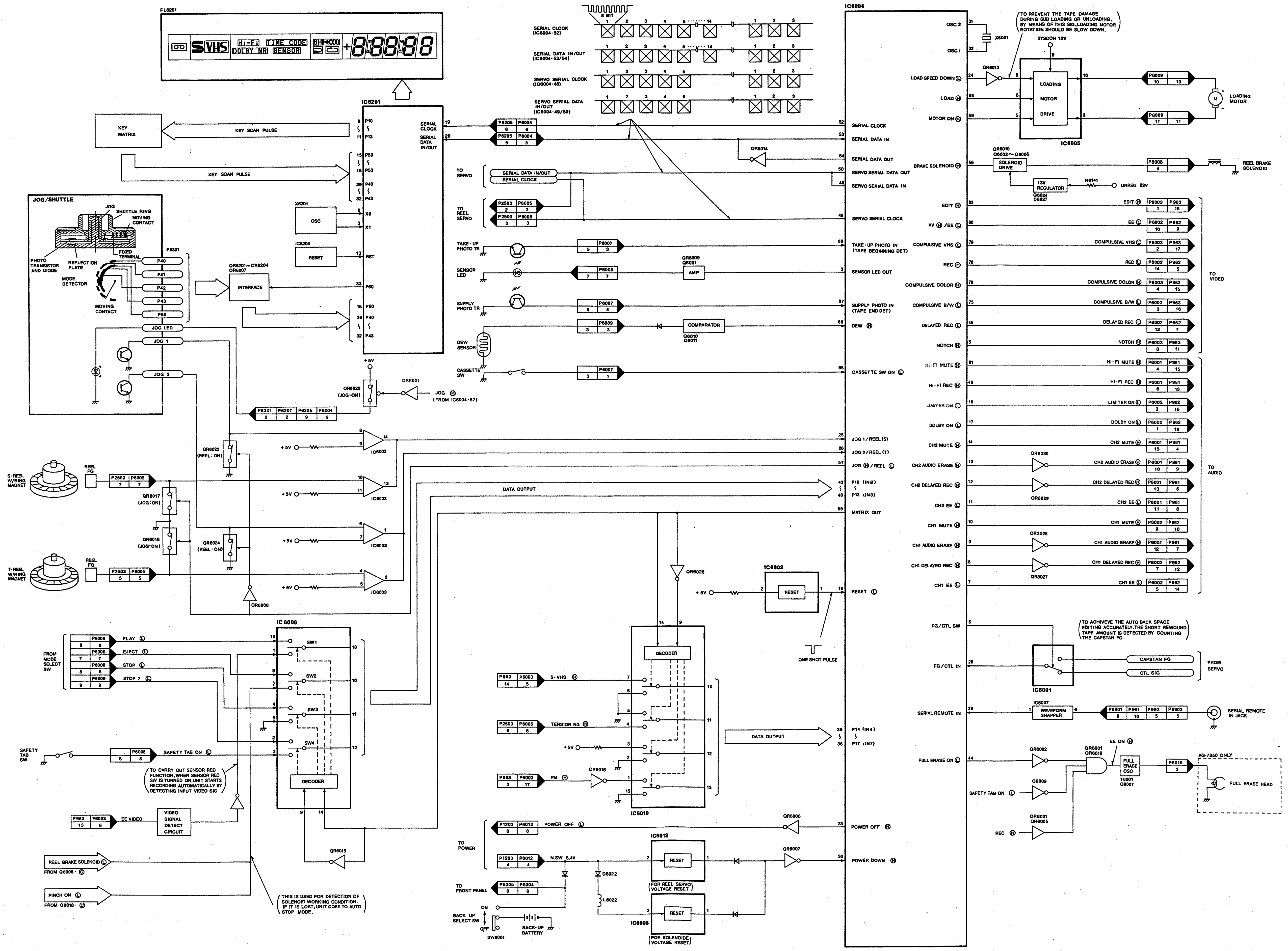
Section 6

BLOCK DIAGRAMS

CONTENTS

Overall BLK-3
System Control BLK-3
Servo BLK-4
Reel Servo BLK-5
Video (1) BLK-6
Video (2) BLK-7
Video (3) BLK-8
Hi-Fi Audio BLK-9
Normal Audio BLK-10
34P Interface BLK-10

SYSTEM CONTROL BLOCK DIAGRAM



(TO PREVENT THE TAPE DAMAGE DURING SUB LOADING OR UNLOADING, BY MEANS OF THIS SIG.LOADING MOTOR ROTATION SHOULD BE SLOW DOWN.)

(TO ACHIVEVE THE AUTO BACK SPACE EDITING ACCURATELY.THE SHORT REWOUND TAPE AMOUNT IS DETECTED BY COUNTING THE CAPSTAN FG.)

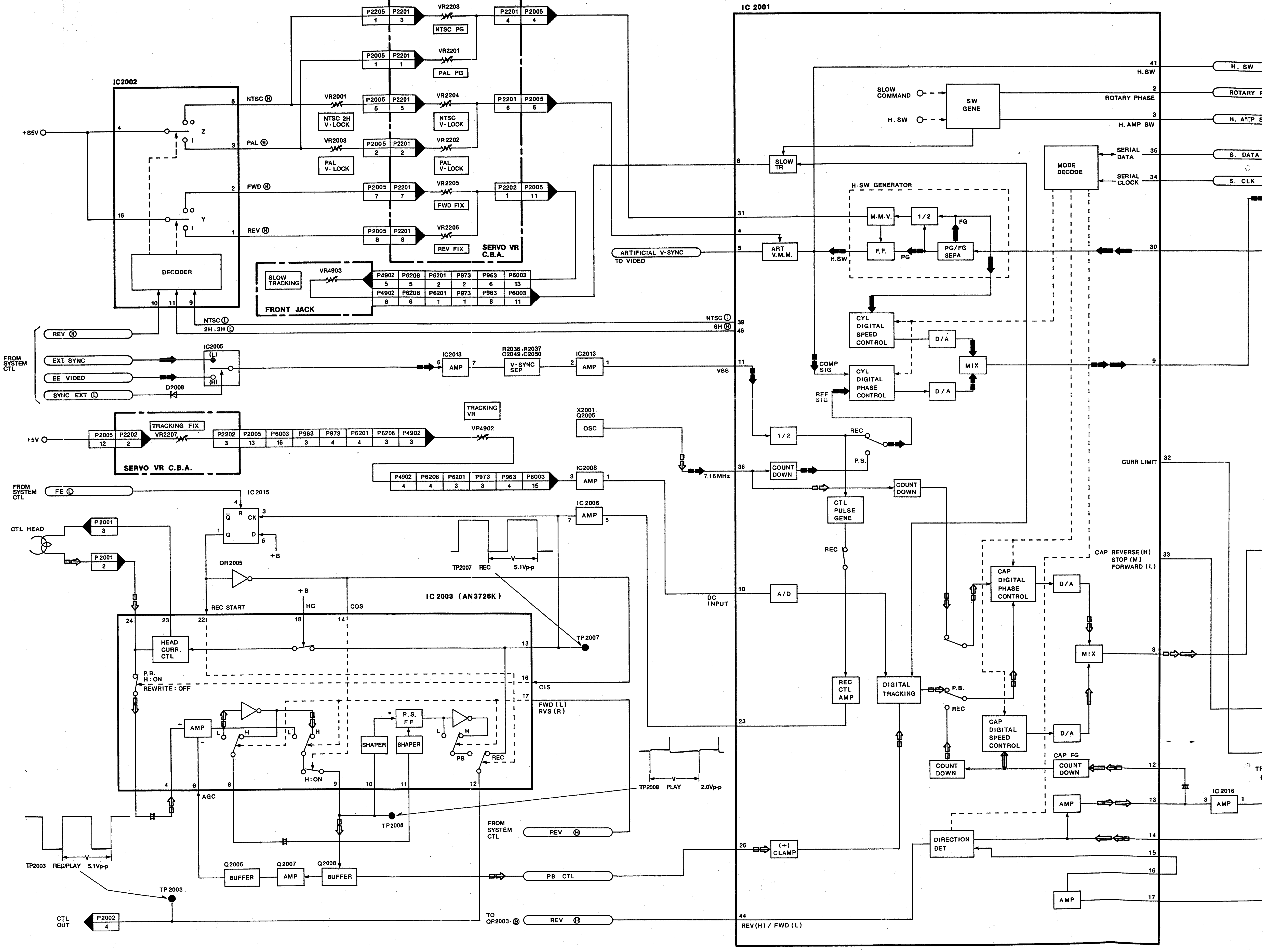
(TO CARRY OUT SENSOR REC FUNCTION, WHEN SENSOR REC SW IS TURNED ON, UNIT STARTS RECORDING AUTOMATICALLY BY DETECTING INPUT VIDEO SIG)

(THIS IS USED FOR DETECTION OF SOLENOID WORKING CONDITION. IF IT IS LOST, UNIT GOES TO AUTO STOP MODE.)

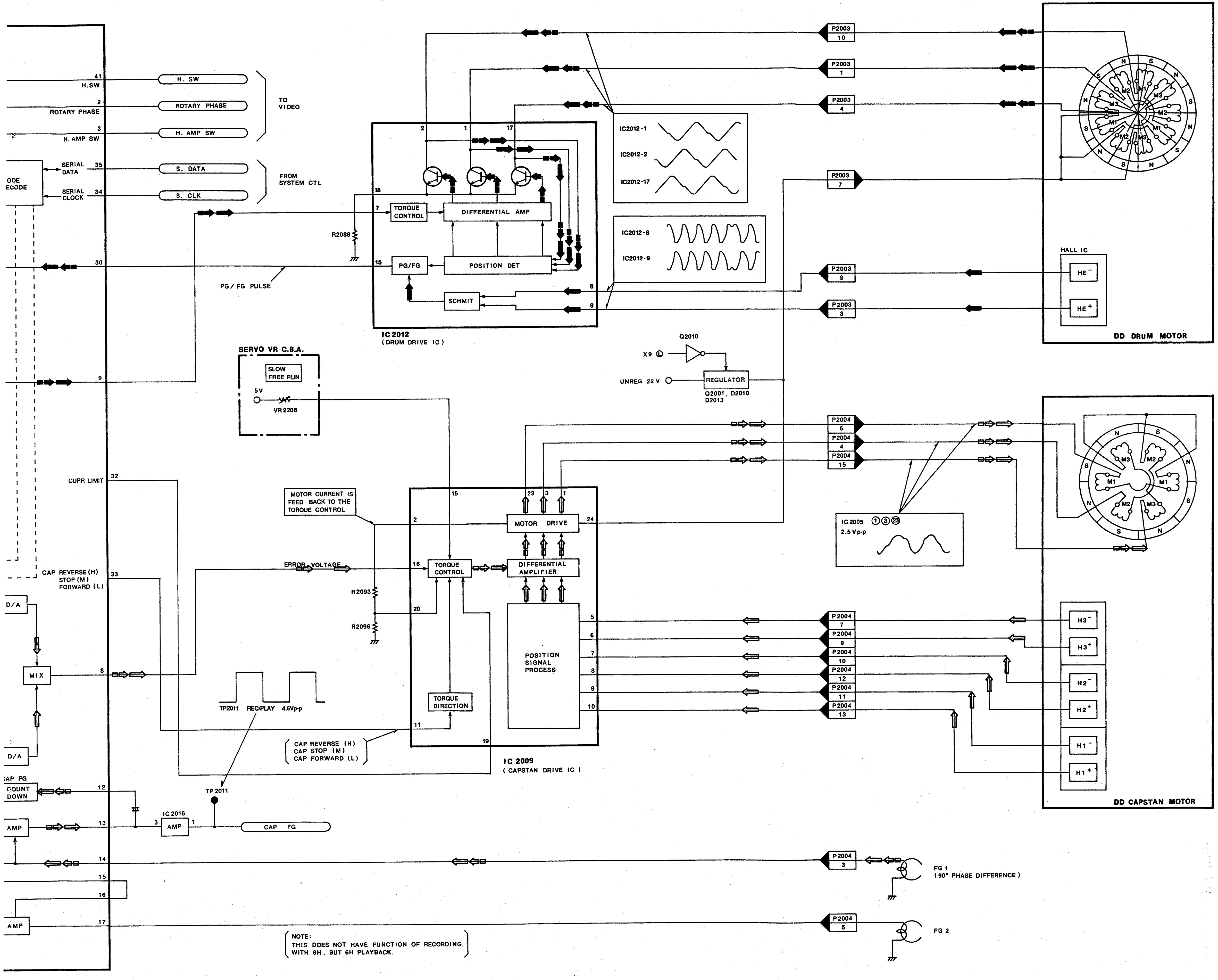
FL6201
S VHS
Hi-Fi
TIME CODE
DOLBY NR
SENSOR
6H
+8:88:88
IC6201
KEY MATRIX
KEY SCAN PULSE
KEY SCAN PULSE
P10
P13
P50
P53
P40
P43
X0
X1
RST
P60
SERIAL CLOCK
SERIAL DATA IN/OUT
X6201
OSC
IC6204
RESET
QR6201~QR6204
QR6207
INTERFACE
JOG/SHUTTLE
JOG
SHUTTLE RING
MOVING CONTACT
FIXED TERMINAL
PHOTO TRANSISTOR AND DIODE
REFLECTION PLATE
MODE DETECTOR
MOVING CONTACT
P6301
P40
P41
P42
P43
P50
JOG LED
JOG 1
JOG 2
+5V
QR6020
(JOG:ON)
QR6021
JOG Ⓗ
(FROM IC6004-57)
P6301
P6207
P6205
P6004
QR6023
(REEL:ON)
IC6003
S-REEL W/RING MAGNET
REEL FG
P2503
P6005
QR6017
(JOG:ON)
QR6018
(JOG:ON)
QR6024
(REEL:ON)
T-REEL W/RING MAGNET
QR6008
DATA OUTPUT
SERIAL CLOCK (IC6004-52)
SERIAL DATA IN/OUT (IC6004-53/54)
SERVO SERIAL CLOCK (IC6004-48)
SERVO SERIAL DATA IN/OUT (IC6004-49/50)
8 BIT
P6205
P6004
QR6014
TO SERVO
SERIAL DATA IN/OUT
SERIAL CLOCK
TO REEL SERVO
TAKE-UP PHOTO TR
P6007
SENSOR LED
P6008
QR6009
Q6001
AMP
SUPPLY PHOTO TR
P6009
COMPARATOR
Q6010
Q6011
DEW SENSOR
CASSETTE SW
IC6004
SERIAL CLOCK
SERIAL DATA IN
SERIAL DATA OUT
SERVO SERIAL DATA OUT
SERVO SERIAL DATA IN
SERVO SERIAL CLOCK
TAKE-UP PHOTO IN (TAPE BEGINNING DET)
SENSOR LED OUT
SUPPLY PHOTO IN (TAPE END DET)
DEW Ⓗ
CASSETTE SW ON Ⓛ
JOG 1/REEL (S)
JOG 2/REEL (T)
JOG Ⓗ/REEL Ⓛ
P10 (IN0)
P13 (IN3)
MATRIX OUT
RESET Ⓛ
P14 (IN4)
P17 (IN7)
POWER OFF Ⓗ
POWER DOWN Ⓗ
OSC 2
OSC 1
LOAD SPEED DOWN Ⓛ
LOAD Ⓗ
MOTOR ON Ⓗ
BRAKE SOLENOID Ⓗ
EDIT Ⓗ
VV Ⓗ/EE Ⓛ
COMPULSIVE VHS Ⓛ
REC Ⓗ
COMPULSIVE COLOR Ⓗ
COMPULSIVE B/W Ⓛ
DELAYED REC Ⓛ
NOTCH Ⓗ
HI-FI MUTE Ⓗ
HI-FI REC Ⓗ
LIMITER ON Ⓛ
DOLBY ON Ⓛ
CH2 MUTE Ⓗ
CH2 AUDIO ERASE Ⓗ
CH2 DELAYED REC Ⓗ
CH2 EE Ⓛ
CH1 MUTE Ⓗ
CH1 AUDIO ERASE Ⓗ
CH1 DELAYED REC Ⓗ
CH1 EE Ⓛ
FG/CTL SW
FG/CTL IN
SERIAL REMOTE IN
FULL ERASE ON Ⓛ
X6001
QR6012
SYSCON 12V
LOADING MOTOR DRIVE
IC6005
LOADING MOTOR
QR6010
Q6002~Q6006
SOLENOID DRIVE
13V REGULATOR
Q6024
D6027
R6141
UNREG 22V
REEL BRAKE SOLENOID
EDIT Ⓗ P6003 1 P963 18
EE Ⓛ P6002 10 P962 9
COMPULSIVE VHS Ⓛ P6003 2 P963 17
REC Ⓛ P6002 14 P962 5
COMPULSIVE COLOR Ⓗ P6003 4 P963 15
COMPULSIVE B/W Ⓛ P6003 3 P963 16
DELAYED REC Ⓛ P6002 12 P962 7
NOTCH Ⓗ P6003 8 P963 11
TO VIDEO
HI-FI MUTE Ⓗ P6001 4 P961 15
HI-FI REC Ⓗ P6001 6 P961 13
LIMITER ON Ⓛ P6002 3 P962 16
DOLBY ON Ⓛ P6002 1 P962 18
CH2 MUTE Ⓗ P6001 15 P961 4
QR6030
CH2 AUDIO ERASE Ⓗ P6001 10 P961 9
QR6029
CH2 DELAYED REC Ⓗ P6001 13 P961 6
CH2 EE Ⓛ P6001 11 P961 8
CH1 MUTE Ⓗ P6002 9 P962 10
QR3028
CH1 AUDIO ERASE Ⓗ P6001 12 P961 7
QR3027
CH1 DELAYED REC Ⓗ P6002 7 P962 12
CH1 EE Ⓛ P6002 5 P962 14
TO AUDIO
IC6001
CAPSTAN FG
CTL SIG
FROM SERVO
IC6007
WAVEFORM SHAPPER
P6001
P961
P993
P6903
SERIAL REMOTE IN JACK
QR6002
QR6001
QR6019
EE ON Ⓗ
FULL ERASE OSC
T6001
Q6007
P6010
AG-7350 ONLY
FULL ERASE HEAD
SAFETY TAB ON Ⓛ
Q6009
QR6031
QR6005
REC Ⓗ
QR6026
IC6002
RESET
+5V
ONE SHOT PULSE
IC 6006
SW1
SW2
SW3
SW4
DECODER
FROM MODE SELECT SW
PLAY Ⓛ
EJECT Ⓛ
STOP Ⓛ
STOP 2 Ⓛ
SAFETY TAB SW
SAFETY TAB ON Ⓛ
P963
P6003
EE VIDEO
VIDEO SIGNAL DETECT CIRCUIT
REEL BRAKE SOLENOID Ⓛ
FROM Q6006-Ⓒ
PINCH ON Ⓛ
FROM Q6018-Ⓒ
QR6015
IC6010
DECODER
S-VHS Ⓗ
TENSION NG Ⓗ
FM Ⓗ
QR6016
P693
DATA OUTPUT
TO POWER
P1203
P6012
POWER OFF Ⓛ
N.SW 5.4V
QR6006
QR6007
IC6012
RESET
(FOR REEL SERVO VOLTAGE RESET)
D6022
L6022
IC6008
RESET
(FOR SOLENOIDE VOLTAGE RESET)
TO FRONT PANEL
P6205
P6004
ON
OFF
BACK UP SELECT SW
SW6001
BACK-UP BATTERY

SERVO BLOCK DIAGRAM

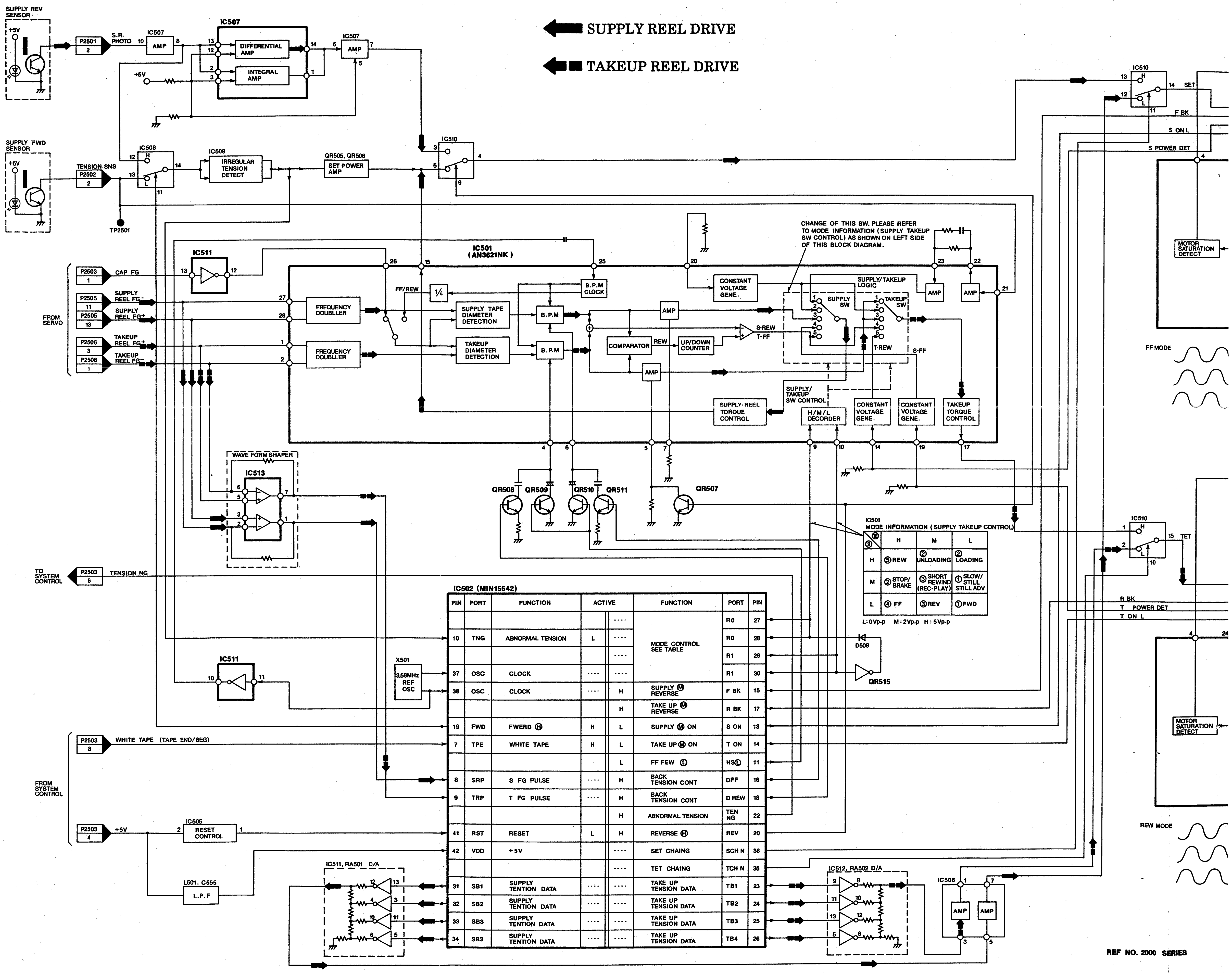
◀ CYLINDER SERVO SPEED LOOP ◀■ CYLINDER SERVO PHASE LOOP ⇦ CAPSTAN SERVO SPEED LOOP ⇦□ CAPSTAN S


IC2002
+S5V
DECODER
NTSC Ⓗ
PAL Ⓗ
FWD Ⓗ
REV Ⓗ
Z
Y
P2205 P2201
P2005 P2201
VR2203
NTSC PG
VR2201
PAL PG
VR2001
NTSC 2H V-LOCK
VR2204
NTSC V-LOCK
VR2003
PAL V-LOCK
VR2202
PAL V-LOCK
VR2205
FWD FIX
VR2206
REV FIX
SERVO VR C.B.A.
SLOW TRACKING
VR4903
FRONT JACK
P4902 P6208 P6201 P973 P963 P6003
NTSC Ⓛ
2H, 3H Ⓛ
6H Ⓗ
FROM SYSTEM CTL
REV Ⓗ
EXT SYNC
EE VIDEO
SYNC EXT Ⓛ
IC2005
D2008
IC2013
AMP
R2036-R2037 C2049-C2050
V-SYNC SEP
VSS
+5V
TRACKING FIX
VR2207
SERVO VR C.B.A.
TRACKING VR
VR4902
X2001, Q2005
OSC
7.16 MHz
IC2008
FE Ⓛ
IC 2015
CK
+B
IC2006
CTL HEAD
QR2005
TP2007 REC 5.1Vp-p
REC START
HC
COS
IC 2003 (AN3726K)
HEAD CURR. CTL
P.B. H: ON
REWRITE: OFF
CIS
FWD (L) RVS (R)
AMP
AGC
R.S. FF
SHAPER
H: ON
PB
REC
TP2007
TP2008 PLAY 2.0Vp-p
TP2008
TP2003 REC/PLAY 5.1Vp-p
TP2003
Q2006 BUFFER
Q2007 AMP
Q2008 BUFFER
FROM SYSTEM CTL
REV Ⓗ
PB CTL
TO QR2003-Ⓑ
CTL OUT
P2002
IC 2001
SLOW COMMAND
H. SW
SW GENE
H.SW
ROTARY PHASE
H. AMP SW
MODE DECODE
SERIAL DATA
SERIAL CLOCK
S. DATA
S. CLK
SLOW TR
H-SW GENERATOR
M.M.V.
1/2
FG
F.F.
PG
PG/FG SEPA
ARTIFICIAL V-SYNC TO VIDEO
ART V.M.M.
CYL DIGITAL SPEED CONTROL
COMP SIG
CYL DIGITAL PHASE CONTROL
REF SIG
D/A
MIX
1/2
REC
P.B.
COUNT DOWN
CTL PULSE GENE
CURR LIMIT
DC INPUT
A/D
CAP REVERSE (H) STOP (M) FORWARD (L)
CAP DIGITAL PHASE CONTROL
REC CTL AMP
DIGITAL TRACKING
CAP DIGITAL SPEED CONTROL
CAP FG
IC 2016
(+) CLAMP
DIRECTION DET
REV (H) / FWD (L)

) LOOP ⇦□ CAPSTAN SERVO PHASE LOOP


41
H.SW
H. SW
2
ROTARY PHASE
ROTARY PHASE
3
H. AMP SW
H. AMP SW
TO VIDEO
ODE
ECODE
SERIAL DATA
35
S. DATA
SERIAL CLOCK
34
S. CLK
FROM SYSTEM CTL
30
PG / FG PULSE
9
P2003 10
P2003 1
P2003 4
P2003 7
P2003 9
P2003 3
2
1
17
18
7
TORQUE CONTROL
DIFFERENTIAL AMP
R2088
15
PG/FG
POSITION DET
SCHMIT
8
9
IC 2012
(DRUM DRIVE IC)
IC2012-1
IC2012-2
IC2012-17
IC2012-8
IC2012-9
N
S
M1
M2
M3
HALL IC
HE⁻
HE⁺
DD DRUM MOTOR
Q2010
X9 Ⓛ
UNREG 22 V
REGULATOR
Q2001, D2010
D2013
SERVO VR C.B.A.
SLOW FREE RUN
5V
VR 2208
CURR LIMIT
32
MOTOR CURRENT IS FEED BACK TO THE TORQUE CONTROL
15
23
3
1
2
MOTOR DRIVE
24
P2004 6
P2004 4
P2004 15
IC 2005 ①③㉓
2.5 Vp-p
CAP REVERSE (H)
STOP (M)
FORWARD (L)
33
ERROR VOLTAGE
16
TORQUE CONTROL
DIFFERENTIAL AMPLIFIER
R2093
20
R2096
POSITION SIGNAL PROCESS
5
6
7
8
9
10
P2004 7
P2004 9
P2004 10
P2004 12
P2004 11
P2004 13
H3⁻
H3⁺
H2⁻
H2⁺
H1⁻
H1⁺
DD CAPSTAN MOTOR
D/A
MIX
8
D/A
TORQUE DIRECTION
TP2011
REC/PLAY
4.6Vp-p
11
19
CAP REVERSE (H)
CAP STOP (M)
CAP FORWARD (L)
IC 2009
(CAPSTAN DRIVE IC)
CAP FG
COUNT DOWN
12
TP 2011
IC 2016
3
AMP
1
CAP FG
AMP
13
14
P2004 3
FG 1
(90° PHASE DIFFERENCE)
15
16
AMP
17
P2004 5
FG 2
NOTE:
THIS DOES NOT HAVE FUNCTION OF RECORDING WITH 6H, BUT 6H PLAYBACK.

REEL SERVO BLOCK DIAGRAM


SUPPLY REEL DRIVE
TAKEUP REEL DRIVE
SUPPLY REV SENSOR
+5V
P2501
2
S.R. PHOTO
IC507
AMP
IC507
DIFFERENTIAL AMP
INTEGRAL AMP
+5V
IC507
AMP
SUPPLY FWD SENSOR
+5V
TENSION.SNS
P2502
2
TP2501
IC508
H
L
IC509
IRREGULAR TENSION DETECT
QR505, QR506
SET POWER AMP
IC510
IC510
H
L
SET
F BK
S ON L
S POWER DET
MOTOR SATURATION DETECT
FF MODE
IC511
P2503
1
CAP FG
P2505
11
SUPPLY REEL FG−
P2505
13
SUPPLY REEL FG+
P2506
3
TAKEUP REEL FG+
P2506
1
TAKEUP REEL FG−
FROM SERVO
IC501
(AN3621NK)
FF/REW
1/4
FREQUENCY DOUBLLER
FREQUENCY DOUBLLER
SUPPLY TAPE DIAMETER DETECTION
TAKEUP DIAMETER DETECTION
B.P.M CLOCK
B.P.M
B.P.M
AMP
AMP
COMPARATOR
REW
UP/DOWN COUNTER
S-REW
T-FF
CONSTANT VOLTAGE GENE.
SUPPLY/TAKEUP LOGIC
SUPPLY SW
TAKEUP SW
T-REW
S-FF
AMP
AMP
SUPPLY/TAKEUP SW CONTROL
SUPPLY-REEL TORQUE CONTROL
H/M/L DECORDER
CONSTANT VOLTAGE GENE.
CONSTANT VOLTAGE GENE.
TAKEUP TORQUE CONTROL
CHANGE OF THIS SW. PLEASE REFER TO MODE INFORMATION (SUPPLY TAKEUP SW CONTROL) AS SHOWN ON LEFT SIDE OF THIS BLOCK DIAGRAM.
WAVE FORM SHAPER
IC513
QR508
QR509
QR510
QR511
QR507
TO SYSTEM CONTROL
P2503
6
TENSION NG
IC511
X501
3.58MHz REF OSC
D509
QR515
IC510
H
L
TET
R BK
T POWER DET
T ON L
MOTOR SATURATION DETECT
REW MODE
FROM SYSTEM CONTROL
P2503
8
WHITE TAPE (TAPE END/BEG)
P2503
4
+5V
IC505
RESET CONTROL
L501, C555
L.P.F
IC511, RA501 D/A
IC512, RA502 D/A
IC506
AMP
AMP

IC502 (MIN15542)

PIN	PORT	FUNCTION	ACTIVE		FUNCTION	PORT	PIN
				----	MODE CONTROL SEE TABLE	R0	27
10	TNG	ABNORMAL TENSION	L	----		R0	28
				----		R1	29
37	OSC	CLOCK	----	----		R1	30
38	OSC	CLOCK	----	H	SUPPLY Ⓜ REVERSE	F BK	15
				H	TAKE UP Ⓜ REVERSE	R BK	17
19	FWD	FWERD Ⓗ	H	L	SUPPLY Ⓜ ON	S ON	13
7	TPE	WHITE TAPE	H	L	TAKE UP Ⓜ ON	T ON	14
				L	FF FEW Ⓛ	HSⓁ	11
8	SRP	S FG PULSE	----	H	BACK TENSION CONT	DFF	16
9	TRP	T FG PULSE	----	H	BACK TENSION CONT	D REW	18
				H	ABNORMAL TENSION	TEN NG	22
41	RST	RESET	L	H	REVERSE Ⓗ	REV	20
42	VDD	+5V		----	SET CHAING	SCH N	36
				----	TET CHAING	TCH N	35
31	SB1	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB1	23
32	SB2	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB2	24
33	SB3	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB3	25
34	SB3	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB4	26

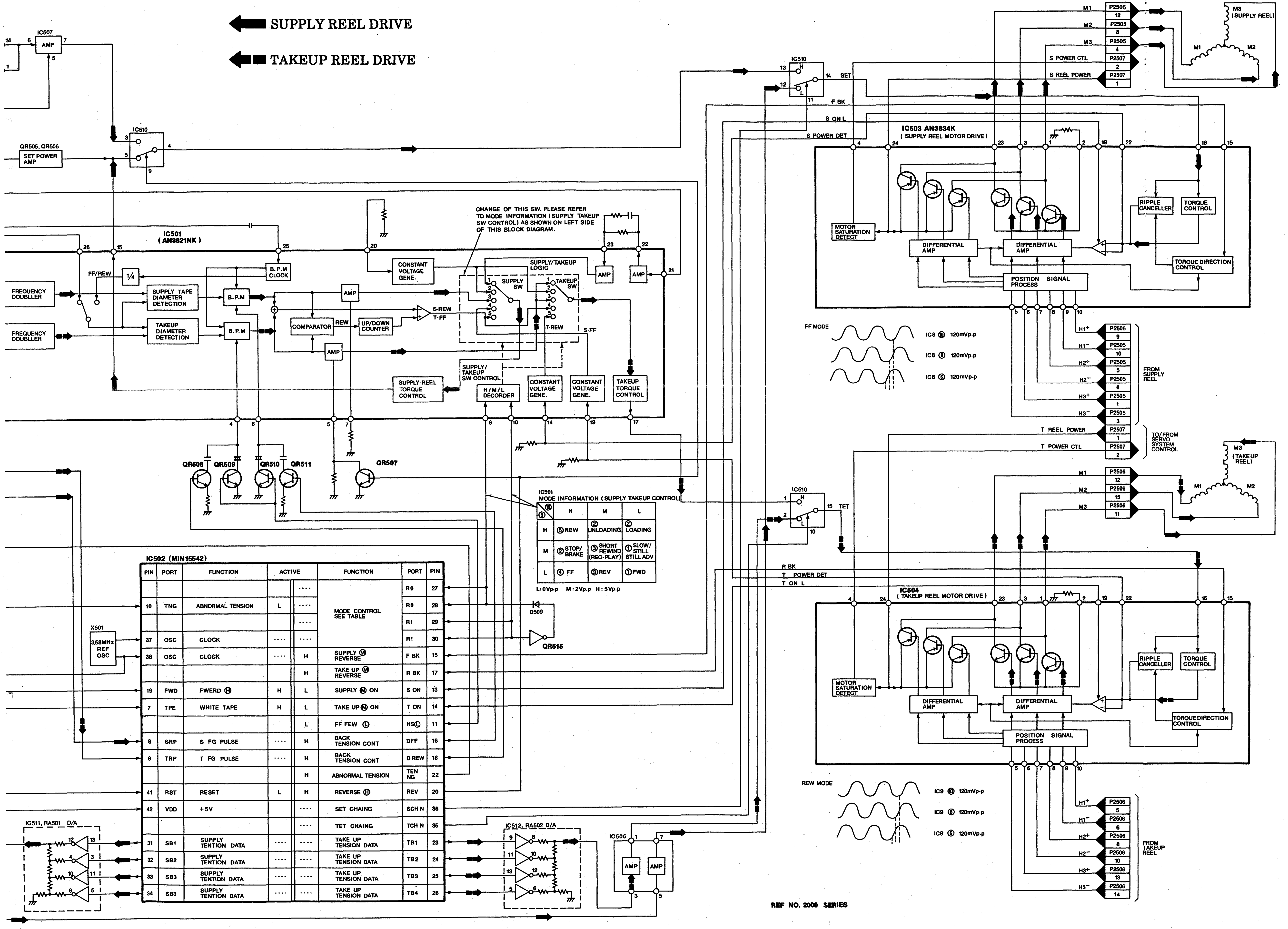
IC501
MODE INFORMATION (SUPPLY TAKEUP CONTROL)

⑩ / ⑨	H	M	L
H	⑤REW	② UNLOADING	② LOADING
M	② STOP/ BRAKE	③ SHORT REWIND (REC-PLAY)	① SLOW/ STILL STILL ADV
L	④ FF	③REV	①FWD

L : 0Vp-p M : 2Vp-p H : 5Vp-p

REF NO. 2000 SERIES

AM


SUPPLY REEL DRIVE
TAKEUP REEL DRIVE
IC507
AMP
QR505, QR506
SET POWER AMP
IC510
IC501
(AN3621NK)
FREQUENCY DOUBLLER
FREQUENCY DOUBLLER
FF/REW
1/4
SUPPLY TAPE DIAMETER DETECTION
TAKEUP DIAMETER DETECTION
B.P.M CLOCK
B.P.M
B.P.M
AMP
COMPARATOR
REW
UP/DOWN COUNTER
AMP
S-REW
T-FF
CONSTANT VOLTAGE GENE.
CHANGE OF THIS SW. PLEASE REFER TO MODE INFORMATION (SUPPLY TAKEUP SW CONTROL) AS SHOWN ON LEFT SIDE OF THIS BLOCK DIAGRAM.
SUPPLY/TAKEUP LOGIC
SUPPLY SW
TAKEUP SW
T-REW
S-FF
AMP
AMP
SUPPLY/ TAKEUP SW CONTROL
SUPPLY-REEL TORQUE CONTROL
H/M/L DECORDER
CONSTANT VOLTAGE GENE.
CONSTANT VOLTAGE GENE.
TAKEUP TORQUE CONTROL
QR508
QR509
QR510
QR511
QR507
X501
3.58MHz REF OSC
D509
QR515
IC511, RA501 D/A
IC512, RA502 D/A
IC506
AMP
AMP
IC510
SET
F BK
S ON L
S POWER DET
IC503 AN3834K
(SUPPLY REEL MOTOR DRIVE)
M1 P2505 12
M2 P2505 8
M3 P2505 4
S POWER CTL P2507 2
S REEL POWER P2507 1
M3 (SUPPLY REEL)
M1
M2
MOTOR SATURATION DETECT
DIFFERENTIAL AMP
DIFFERENTIAL AMP
RIPPLE CANCELLER
TORQUE CONTROL
TORQUE DIRECTION CONTROL
POSITION SIGNAL PROCESS
FF MODE
IC8 ⑩ 120mVp-p
IC8 ⑧ 120mVp-p
IC8 ⑥ 120mVp-p
H1+ P2505 9
H1− P2505 10
H2+ P2505 5
H2− P2505 6
H3+ P2505 1
H3− P2505 3
FROM SUPPLY REEL
T REEL POWER P2507 1
T POWER CTL P2507 2
TO/FROM SERVO SYSTEM CONTROL
M3 (TAKEUP REEL)
M1
M2
M1 P2506 12
M2 P2506 15
M3 P2506 11
IC510
TET
R BK
T POWER DET
T ON L
IC504
(TAKEUP REEL MOTOR DRIVE)
MOTOR SATURATION DETECT
DIFFERENTIAL AMP
DIFFERENTIAL AMP
RIPPLE CANCELLER
TORQUE CONTROL
TORQUE DIRECTION CONTROL
POSITION SIGNAL PROCESS
REW MODE
IC9 ⑩ 120mVp-p
IC9 ⑧ 120mVp-p
IC9 ⑥ 120mVp-p
H1+ P2506 5
H1− P2506 6
H2+ P2506 8
H2− P2506 10
H3+ P2506 13
H3− P2506 14
FROM TAKEUP REEL

IC501
MODE INFORMATION (SUPPLY TAKEUP CONTROL)

⑩ / ⑨	H	M	L
H	⑤ REW	② UNLOADING	② LOADING
M	② STOP/ BRAKE	③ SHORT REWIND (REC-PLAY)	① SLOW/ STILL STILL ADV
L	④ FF	③ REV	① FWD

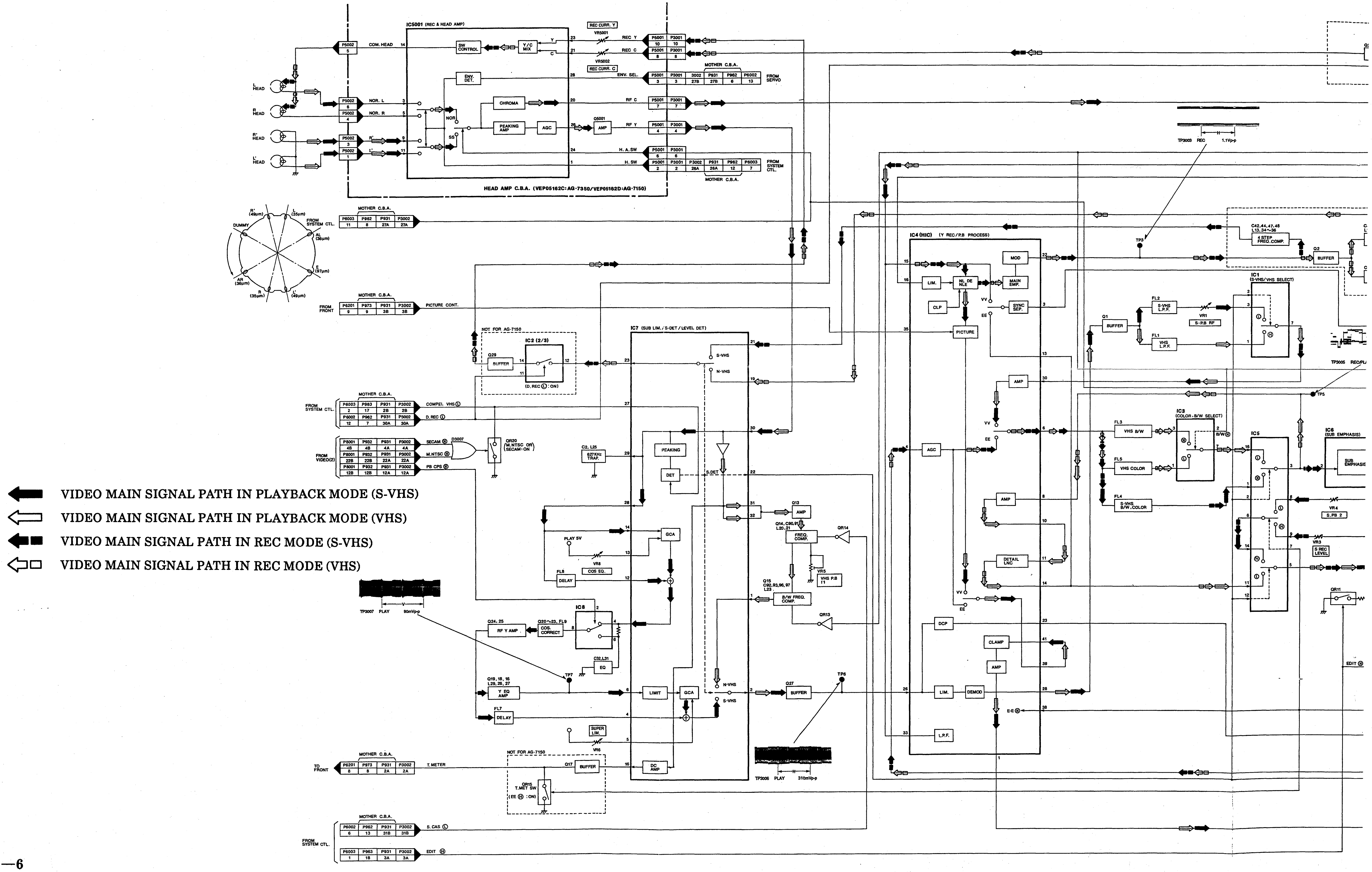
L: 0Vp-p M: 2Vp-p H: 5Vp-p

IC502 (MIN15542)

PIN	PORT	FUNCTION	ACTIVE		FUNCTION	PORT	PIN
				----	MODE CONTROL SEE TABLE	R0	27
10	TNG	ABNORMAL TENSION	L	----		R0	28
				----		R1	29
37	OSC	CLOCK	----	----		R1	30
38	OSC	CLOCK	----	H	SUPPLY Ⓜ REVERSE	F BK	15
				H	TAKE UP Ⓜ REVERSE	R BK	17
19	FWD	FWERD Ⓗ	H	L	SUPPLY Ⓜ ON	S ON	13
7	TPE	WHITE TAPE	H	L	TAKE UP Ⓜ ON	T ON	14
				L	FF FEW Ⓛ	HSⓁ	11
8	SRP	S FG PULSE	----	H	BACK TENSION CONT	DFF	16
9	TRP	T FG PULSE	----	H	BACK TENSION CONT	D REW	18
				H	ABNORMAL TENSION	TEN NG	22
41	RST	RESET	L	H	REVERSE Ⓗ	REV	20
42	VDD	+5V		----	SET CHAING	SCH N	36
				----	TET CHAING	TCH N	35
31	SB1	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB1	23
32	SB2	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB2	24
33	SB3	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB3	25
34	SB3	SUPPLY TENTION DATA	----	----	TAKE UP TENSION DATA	TB4	26

REF NO. 2000 SERIES

VIDEO (1) BLOCK DIAGRAM

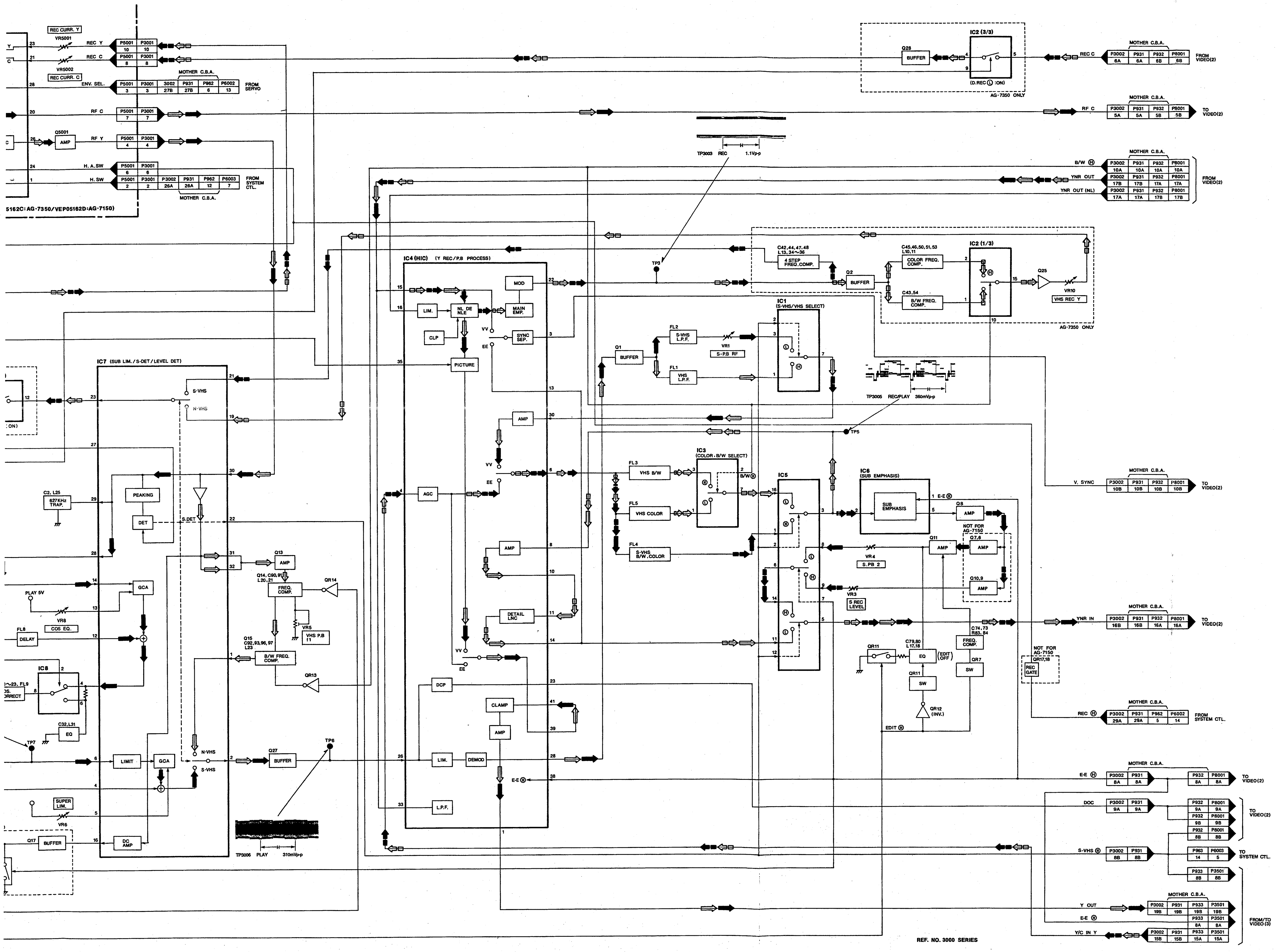

IC5001 (REC & HEAD AMP)
P5002
COM. HEAD
SW CONTROL
Y/C MIX
REC CURR. Y
VR5001
REC Y
REC C
VR5002
REC CURR. C
P5001
P3001
MOTHER C.B.A.
ENV. DET.
ENV. SEL.
FROM SERVO
NOR. L
NOR. R
CHROMA
RF C
NOR
SS
PEAKING AMP
AGC
Q5001
AMP
RF Y
H. A. SW
H. SW
FROM SYSTEM CTL.
L HEAD
R HEAD
R' HEAD
L' HEAD
HEAD AMP C.B.A. (VEP05162C:AG-7350/VEP05162D:AG-7150)
R' (49µm)
L (35µm)
DUMMY
AL (36µm)
E (97µm)
AR (36µm)
R (35µm)
L' (49µm)
FROM FRONT
PICTURE CONT.
NOT FOR AG-7150
IC2 (2/3)
Q29
BUFFER
(D. REC Ⓛ : ON)
IC7 (SUB LIM. / S-DET / LEVEL DET)
S-VHS
N-VHS
COMPEL VHS Ⓛ
D. REC Ⓛ
FROM VIDEO(2)
SECAM Ⓗ
M.NTSC Ⓗ
PB CPS Ⓗ
D3007
QR20 (M.NTSC OR SECAM : ON)
C2, L25
627KHz TRAP.
PEAKING
DET
S.DET
PLAY 5V
VR8
COS EQ.
FL8
DELAY
GCA
TP3007 PLAY 90mVp-p
IC8
Q24, 25
RF Y AMP
Q20~23, FL9
COS. CORRECT
C32, L31
EQ
TP7
Q19, 18, 16 L29, 28, 27
Y EQ AMP
FL7
DELAY
LIMIT
SUPER LIM.
VR6
DC AMP
TO FRONT
T. METER
Q17
BUFFER
QR15 T.MET SW (EE Ⓗ : ON)
S. CAS Ⓛ
EDIT Ⓗ
Q13
AMP
Q14, C90, 91 L20, 21
FREQ. COMP.
QR14
VR5
VHS P.B
Q15 C92, 93, 96, 97 L23
B/W FREQ. COMP.
QR13
Q27
BUFFER
TP6
TP3006 PLAY 310mVp-p
IC4 (HIC) (Y REC/P.B PROCESS)
LIM.
NL DE NLE
MOD
MAIN EMP.
CLP
SYNC SEP.
PICTURE
VV
EE
AMP
AGC
DETAIL LNC
DCP
CLAMP
DEMOD
L.P.F.
E-E Ⓗ
TP3003 REC 1.1Vp-p
TP3
C42, 44, 47, 48 L13, 34~36
4 STEP FREQ. COMP.
Q2
BUFFER
IC1 (S-VHS/VHS SELECT)
FL2
S-VHS L.P.F.
VR1
S-P.B RF
Q1
BUFFER
FL1
VHS L.P.F.
TP3005 REC/PL
TP5
IC3 (COLOR. B/W SELECT)
FL3
VHS B/W
FL5
VHS COLOR
FL4
S-VHS B/W, COLOR
B/W Ⓗ
IC5
IC6 (SUB EMPHASIS)
SUB EMPHASIS
VR4
S.PB 2
VR3
S REC LEVEL
QR11
EDIT Ⓗ

◀ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)

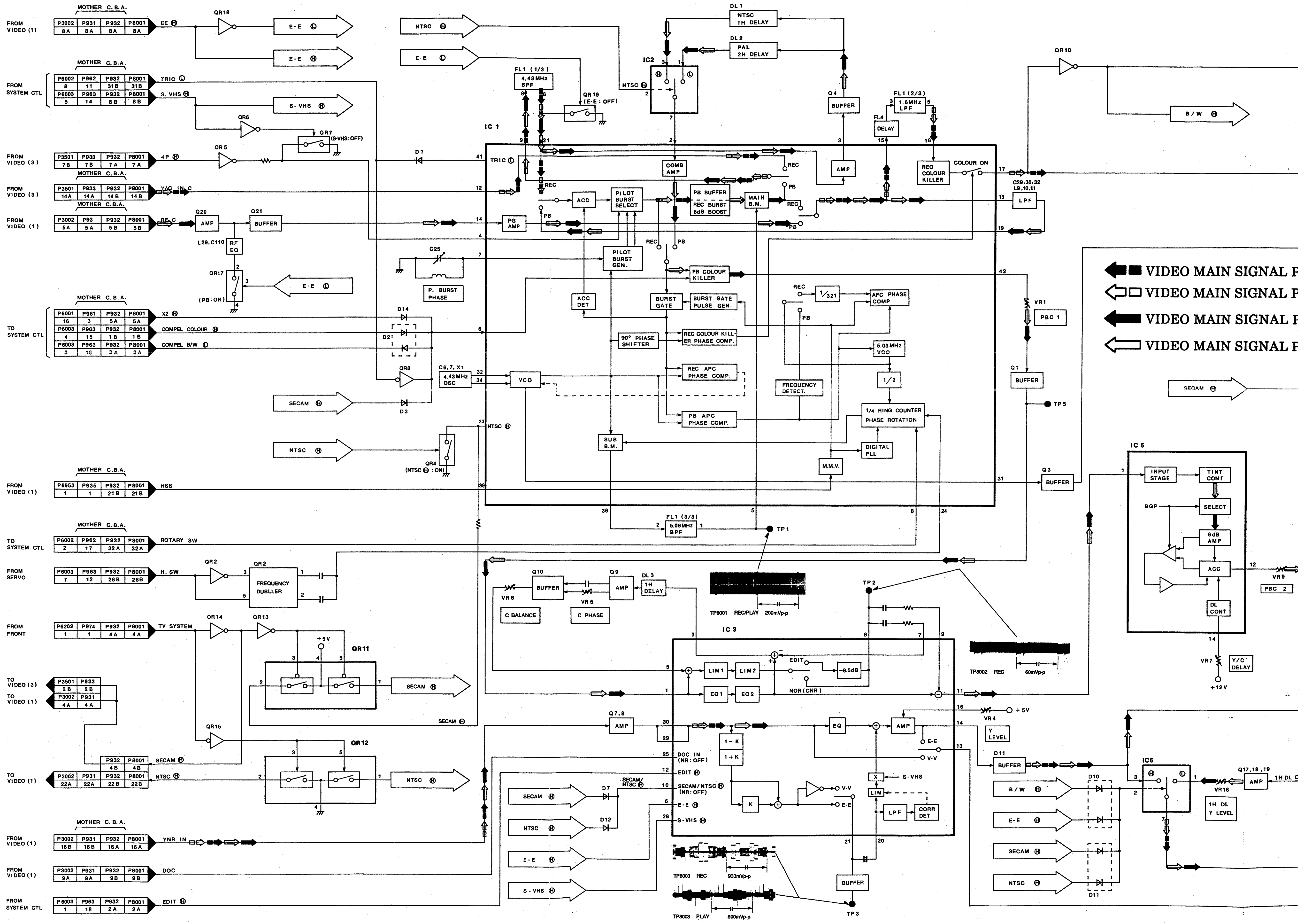
⇦ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

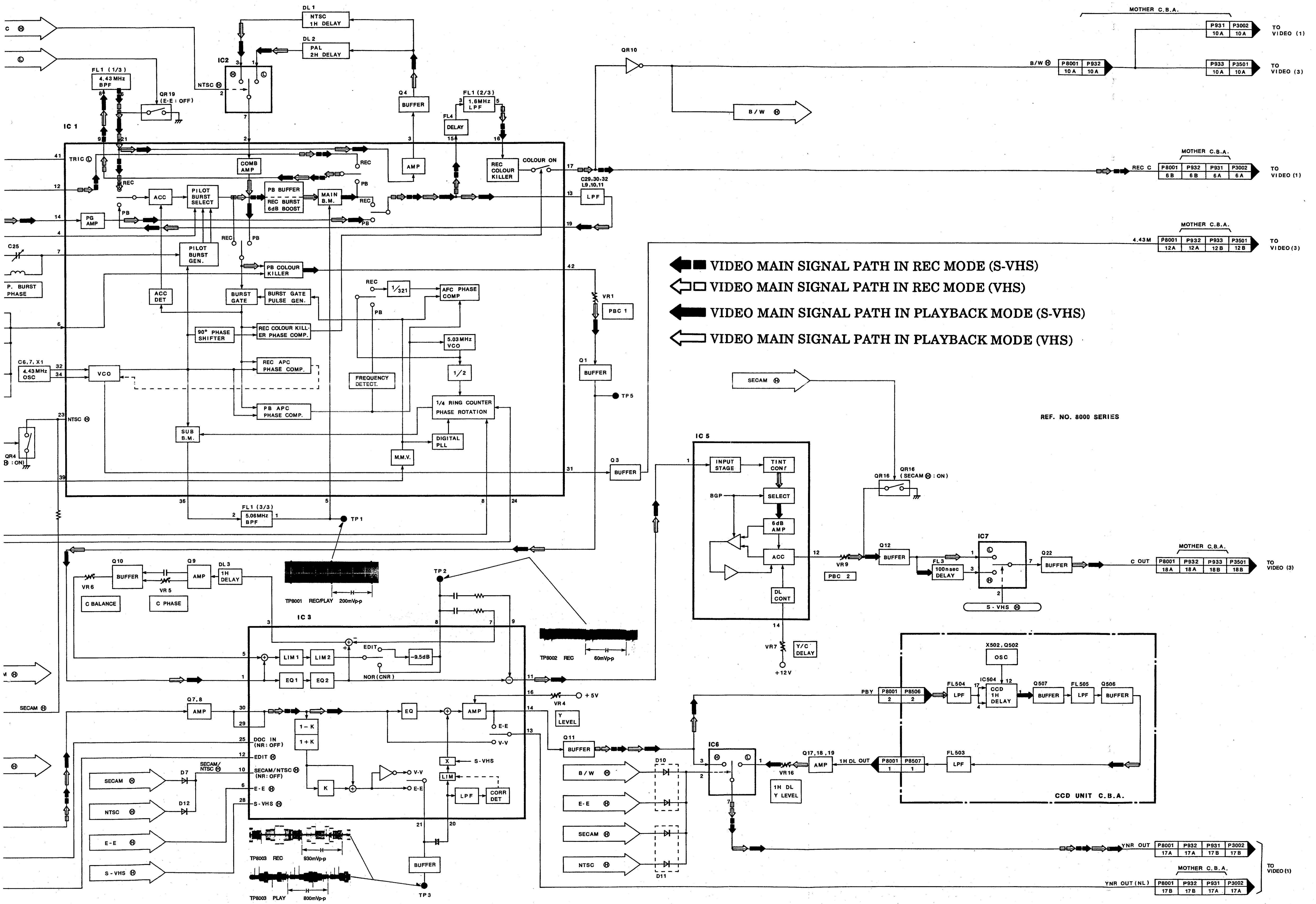
◀■ VIDEO MAIN SIGNAL PATH IN REC MODE (S-VHS)

⇦□ VIDEO MAIN SIGNAL PATH IN REC MODE (VHS)

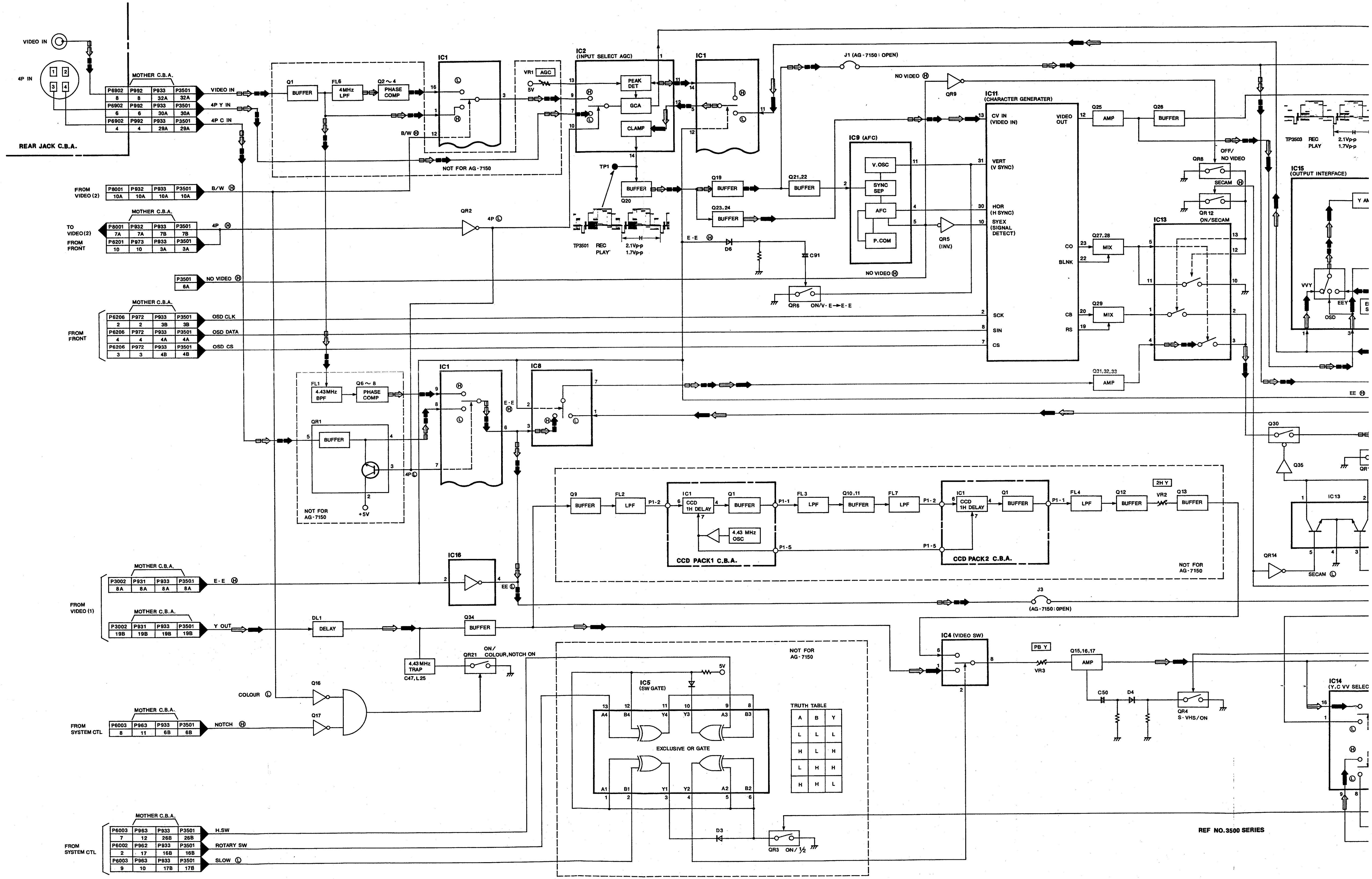

REC CURR. Y
VR5001
REC Y
VR5002
REC CURR. C
REC C
ENV. SEL.
RF C
Q5001
AMP
RF Y
H. A.SW
H. SW
P5001
P3001
MOTHER C.B.A.
FROM SERVO
FROM SYSTEM CTL.
5162C:AG-7350/VEP05162D:AG-7150)
IC2 (3/3)
Q28
BUFFER
(D.REC Ⓛ :ON)
AG-7350 ONLY
FROM VIDEO(2)
TO VIDEO(2)
TP3003 REC 1.1Vp-p
B/W Ⓗ
YNR OUT
YNR OUT (NL)
TP3
C42,44,47,48 L13,34~36
4 STEP FREQ.COMP.
Q2
BUFFER
C45,46,50,51,53 L10,11
COLOR FREQ. COMP.
C43,54
B/W FREQ. COMP.
IC2 (1/3)
Q25
VR10
VHS REC Y
IC4 (HIC) (Y REC/P.B PROCESS)
MOD
LIM.
NL DE NLE
MAIN EMP.
CLP
SYNC SEP.
PICTURE
VV
EE
AMP
AGC
DETAIL LNC
DCP
CLAMP
DEMOD
L.P.F.
E-E Ⓗ
IC1 (S-VHS/VHS SELECT)
Q1
BUFFER
FL2
S-VHS L.P.F.
VR1
S-P.B RF
FL1
VHS L.P.F.
TP3005 REC/PLAY 360mVp-p
TP5
IC7 (SUB LIM./S-DET/LEVEL DET)
S-VHS
N-VHS
PEAKING
DET
S.DET
C2, L25
627KHz TRAP.
GCA
PLAY 5V
VR8
COS EQ.
FL8
DELAY
IC8
~23, FL9
OS. ORRECT
C32,L31
EQ
TP7
LIMIT
SUPER LIM.
VR6
Q17
BUFFER
DC AMP
Q13
Q14, C90,91 L20,21
FREQ. COMP.
QR14
VR5
VHS P.B f1
Q15 C92,93,96,97 L23
B/W FREQ. COMP.
QR13
Q27
TP6
TP3006 PLAY 310mVp-p
IC3 (COLOR・B/W SELECT)
FL3
VHS B/W
FL5
VHS COLOR
FL4
S-VHS B/W ,COLOR
IC5
IC6 (SUB EMPHASIS)
SUB EMPHASIS
E-E Ⓗ
Q8
NOT FOR AG-7150
Q11
Q7,6
Q10,9
VR4
S.PB 2
VR3
S REC LEVEL
QR11
C79,80 L17,18
EQ
(EDIT OFF)
SW
QR12 (INV.)
EDIT Ⓗ
C74,73 R83,84
QR7
QR17,18
REC GATE
V. SYNC
YNR IN
REC Ⓗ
P3002
P931
P932
P8001
P962
P6002
P6003
P963
P933
P3501
FROM SYSTEM CTL.
DOC
S-VHS Ⓗ
TO SYSTEM CTL.
Y OUT
Y/C IN Y
FROM/TO VIDEO (3)
REF. NO. 3000 SERIES

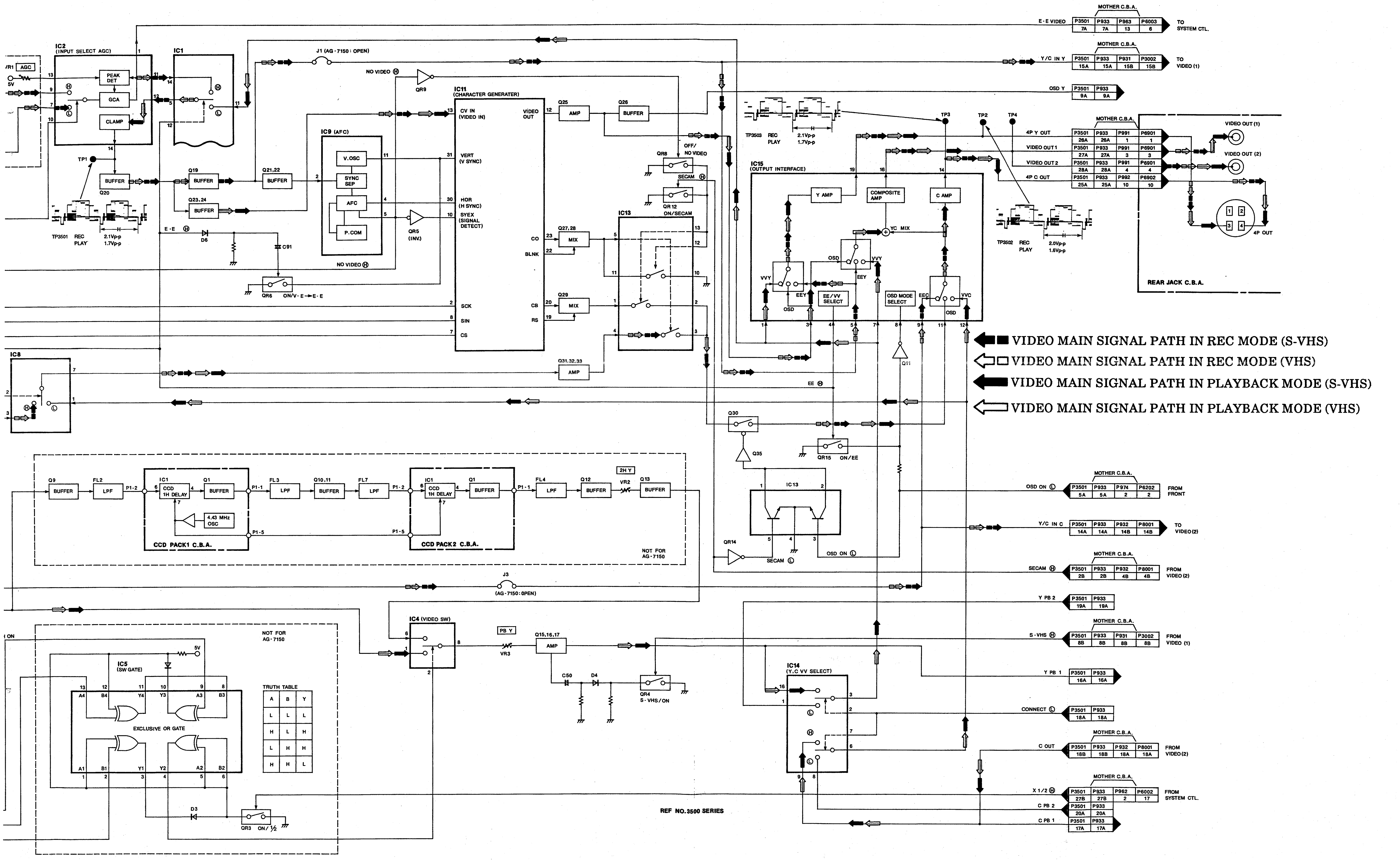
VIDEO (2) BLOCK DIAGRAM


MOTHER C.B.A.
FROM VIDEO (1)
P3002 P931 P932 P8001
8A 8A 8A 8A
EE Ⓗ
QR18
E-E Ⓛ
E-E Ⓗ
NTSC Ⓗ
FROM SYSTEM CTL
P6002 P962 P932 P8001
8 11 31B 31B
P6003 P963 P932 P8001
5 14 8B 8B
TRIC Ⓛ
S. VHS Ⓗ
S-VHS Ⓗ
QR6
QR7
(S-VHS:OFF)
FROM VIDEO (3)
P3501 P933 P932 P8001
7B 7B 7A 7A
4P Ⓗ
QR5
D1
14A 14A 14B 14B
Y/C IN C
P3002 P93 P932 P8001
5A 5A 5B 5B
RF C
Q20
AMP
Q21
BUFFER
L29, C110
RF EQ
QR17
(PB:ON)
C25
P. BURST PHASE
TO SYSTEM CTL
P6001 P961 P932 P8001
16 3 5A 5A
X2 Ⓗ
P6003 P963 P932 P8001
4 15 1B 1B
COMPEL COLOUR Ⓗ
3 16 3A 3A
COMPEL B/W Ⓛ
D14
D21
QR8
D3
SECAM Ⓗ
C6, 7, X1
4.43MHz OSC
VCO
QR4
(NTSC Ⓗ : ON)
P6953 P935 P932 P8001
1 1 21B 21B
HSS
P6002 P962 P932 P8001
2 17 32A 32A
ROTARY SW
FROM SERVO
P6003 P963 P932 P8001
7 12 26B 26B
H. SW
QR2
FREQUENCY DUBLLER
FROM FRONT
P6202 P974 P932 P8001
1 1 4A 4A
TV SYSTEM
QR14
QR13
+5V
QR11
TO VIDEO (3)
P3501 P933
2B 2B
TO VIDEO (1)
P3002 P931
4A 4A
QR15
QR12
P932 P8001
4B 4B
SECAM Ⓗ
P3002 P931 P932 P8001
22A 22A 22B 22B
NTSC Ⓗ
P3002 P931 P932 P8001
16B 16B 16A 16A
YNR IN
P3002 P931 P932 P8001
9A 9A 9B 9B
DOC
P6003 P963 P932 P8001
1 18 2A 2A
EDIT Ⓗ
DL1
NTSC 1H DELAY
DL2
PAL 2H DELAY
IC2
NTSC Ⓗ
FL1 (1/3)
4.43MHz BPF
QR19
(E-E:OFF)
IC 1
TRIC Ⓛ
REC
PB
COMB AMP
ACC
PILOT BURST SELECT
PB BUFFER
REC BURST 6dB BOOST
MAIN B.M.
PG AMP
PILOT BURST GEN.
PB COLOUR KILLER
ACC DET
BURST GATE
BURST GATE PULSE GEN.
1/321
AFC PHASE COMP
90° PHASE SHIFTER
REC COLOUR KILLER PHASE COMP.
5.03MHz VCO
1/2
REC APC PHASE COMP.
FREQUENCY DETECT.
PB APC PHASE COMP.
1/4 RING COUNTER PHASE ROTATION
SUB B.M.
DIGITAL PLL
M.M.V.
Q4
BUFFER
AMP
FL1 (2/3)
1.6MHz LPF
FL4
DELAY
REC COLOUR KILLER
COLOUR ON
C29, 30, 32
L9, 10, 11
LPF
VR1
PBC 1
Q1
BUFFER
TP5
Q3
BUFFER
FL1 (3/3)
5.06MHz BPF
TP1
QR10
B/W Ⓗ
VIDEO MAIN SIGNAL P
VIDEO MAIN SIGNAL P
VIDEO MAIN SIGNAL P
VIDEO MAIN SIGNAL P
SECAM Ⓗ
IC 5
INPUT STAGE
TINT CONT
BGP
SELECT
6dB AMP
ACC
DL CONT
VR9
PBC 2
VR7
Y/C DELAY
+12V
Q10
BUFFER
VR6
C BALANCE
VR5
C PHASE
Q9
AMP
DL3
1H DELAY
TP8001 REC/PLAY 200mVp-p
TP2
TP8002 REC 60mVp-p
IC 3
EDIT
LIM1
LIM2
-9.5dB
EQ1
EQ2
NOR (CNR)
Q7, 8
AMP
1-K
1+K
EQ
AMP
E-E
V-V
VR4
+5V
Y LEVEL
DOC IN (NR:OFF)
EDIT Ⓗ
SECAM/NTSC Ⓗ (NR:OFF)
E-E Ⓗ
S-VHS Ⓗ
SECAM/NTSC Ⓗ
D7
D12
SECAM Ⓗ
NTSC Ⓗ
E-E Ⓗ
S-VHS Ⓗ
K
V-V
E-E
X
S-VHS
LIM
LPF
CORR DET
BUFFER
TP3
TP8003 REC 930mVp-p
TP8003 PLAY 800mVp-p
Q11
BUFFER
B/W Ⓗ
E-E Ⓗ
SECAM Ⓗ
NTSC Ⓗ
D10
D11
IC6
Q17, 18, 19
AMP
1H DL
VR16
1H DL Y LEVEL


VIDEO MAIN SIGNAL PATH IN REC MODE (S-VHS)
VIDEO MAIN SIGNAL PATH IN REC MODE (VHS)
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)
REF. NO. 8000 SERIES
DL 1 NTSC 1H DELAY
DL 2 PAL 2H DELAY
IC2
NTSC Ⓗ
FL1 (1/3) 4.43 MHz BPF
QR19 (E-E : OFF)
IC 1
TRIC Ⓛ
COMB AMP
PILOT BURST SELECT
ACC
PB BUFFER
REC BURST 6dB BOOST
MAIN B.M.
PG AMP
PILOT BURST GEN.
PB COLOUR KILLER
P. BURST PHASE
C25
ACC DET
BURST GATE
BURST GATE PULSE GEN.
1/321
AFC PHASE COMP
90° PHASE SHIFTER
REC COLOUR KILLER PHASE COMP.
5.03 MHz VCO
C6, 7, X1 4.43 MHz OSC
VCO
REC APC PHASE COMP.
FREQUENCY DETECT.
1/2
PB APC PHASE COMP.
1/4 RING COUNTER PHASE ROTATION
SUB B.M.
DIGITAL PLL
M.M.V.
QR4 Ⓗ : ON)
Q4 BUFFER
AMP
FL1 (2/3) 1.6MHz LPF
FL4 DELAY
REC COLOUR KILLER
COLOUR ON
C29, 30, 32 L9, 10, 11 LPF
QR10
B/W Ⓗ
VR1 PBC 1
Q1 BUFFER
TP5
Q3 BUFFER
FL1 (3/3) 5.06MHz BPF
TP1
TP8001 REC/PLAY 200mVp-p
MOTHER C.B.A.
P931 P3002 10A 10A TO VIDEO (1)
P933 P3501 10A 10A TO VIDEO (3)
B/W Ⓗ P8001 P932 10A 10A
REC C P8001 P932 P931 P3002 6B 6B 6A 6A TO VIDEO (1)
4.43M P8001 P932 P933 P3501 12A 12A 12B 12B TO VIDEO (3)
SECAM Ⓗ
IC 5
INPUT STAGE
TINT CONT
BGP
SELECT
6dB AMP
ACC
DL CONT
VR7 Y/C DELAY +12V
VR9 PBC 2
QR16 QR16 (SECAM Ⓗ : ON)
Q12 BUFFER
FL3 100nsec DELAY
IC7
S-VHS Ⓗ
Q22 BUFFER
C OUT P8001 P932 P933 P3501 18A 18A 18B 18B TO VIDEO (3)
Q10 BUFFER
Q9 AMP
DL3 1H DELAY
VR6 C BALANCE
VR5 C PHASE
TP2
IC 3
LIM 1 LIM 2
EDIT
-9.5dB
EQ 1 EQ 2
NOR (CNR)
TP8002 REC 60mVp-p
Q7, 8 AMP
1-K 1+K
EQ
AMP
VR4 +5V
Y LEVEL
E-E V-V
K
S-VHS
LIM
LPF
CORR DET
DOC IN (NR: OFF)
EDIT Ⓗ
SECAM/NTSC Ⓗ (NR: OFF)
E-E Ⓗ
S-VHS Ⓗ
SECAM/NTSC Ⓗ
D7 D12
SECAM Ⓗ
NTSC Ⓗ
E-E Ⓗ
S-VHS Ⓗ
TP8003 REC 930mVp-p
TP8003 PLAY 800mVp-p
BUFFER
TP3
Q11 BUFFER
B/W Ⓗ
E-E Ⓗ
SECAM Ⓗ
NTSC Ⓗ
D10 D11
IC6
VR16
1H DL Y LEVEL
Q17, 18, 19 AMP
1H DL OUT P8001 P8507 1 1
PBY P8001 P8506 2 2
X502, Q502 OSC
FL504 LPF
IC504 CCD 1H DELAY
Q507 BUFFER
FL505 LPF
Q506 BUFFER
FL503 LPF
CCD UNIT C.B.A.
YNR OUT P8001 P932 P931 P3002 17A 17A 17B 17B
MOTHER C.B.A.
YNR OUT (NL) P8001 P932 P931 P3002 17B 17B 17A 17A
TO VIDEO (1)

VIDEO (3) BLOCK DIAGRAM


VIDEO IN
4P IN
REAR JACK C.B.A.
MOTHER C.B.A.
P6902 P992 P933 P3501
VIDEO IN
4P Y IN
4P C IN
FROM VIDEO (2)
P8001 P932 P933 P3501
B/W Ⓗ
TO VIDEO (2)
FROM FRONT
P8201 P973 P933 P3501
4P Ⓗ
NO VIDEO Ⓗ
P6206 P972 P933 P3501
OSD CLK
OSD DATA
OSD CS
FROM VIDEO (1)
P3002 P931 P933 P3501
E-E Ⓗ
Y OUT
COLOUR Ⓛ
FROM SYSTEM CTL
P6003 P963 P933 P3501
NOTCH Ⓗ
P6002 P962
H.SW
ROTARY SW
SLOW Ⓛ
Q1
BUFFER
FL6
4MHz LPF
Q2～4
PHASE COMP
IC1
NOT FOR AG-7150
VR1 AGC
5V
IC2 (INPUT SELECT AGC)
PEAK DET
GCA
CLAMP
BUFFER
Q20
TP1
TP3501 REC PLAY
2.1Vp-p
1.7Vp-p
QR2
4P Ⓛ
Q19
Q21,22
Q23,24
E-E Ⓗ
D6
C91
QR6 ON/V·E→E·E
J1 (AG-7150: OPEN)
NO VIDEO Ⓗ
QR9
IC9 (AFC)
V.OSC
SYNC SEP
AFC
P.COM
QR5 (INV.)
IC11 (CHARACTER GENERATER)
CV IN (VIDEO IN)
VIDEO OUT
VERT (V SYNC)
HOR (H SYNC)
SYEX (SIGNAL DETECT)
CO
BLNK
SCK
SIN
CS
CB
RS
Q25
AMP
Q26
Q27,28
MIX
Q29
Q31,32,33
TP3503 REC PLAY
QR8
OFF/ NO VIDEO
SECAM Ⓗ
QR12 ON/SECAM
IC13
IC15 (OUTPUT INTERFACE)
VVY
EEY
OSD
EE Ⓗ
Q30
Q35
FL1
4.43MHz BPF
Q6～8
QR1
NOT FOR AG-7150
+5V
IC8
E-E Ⓗ
4P Ⓛ
IC16
EE Ⓛ
Q9
FL2
LPF
P1-2
IC1
CCD 1H DELAY
4.43 MHz OSC
CCD PACK1 C.B.A.
P1-1
P1-5
FL3
Q10,11
FL7
CCD PACK2 C.B.A.
FL4
Q12
VR2
Q13
2H Y
NOT FOR AG-7150
QR14
SECAM Ⓛ
J3 (AG-7150: OPEN)
DL1
DELAY
Q34
4.43MHz TRAP C47,L25
QR21 ON/ COLOUR,NOTCH ON
Q16
Q17
IC5 (SW GATE)
EXCLUSIVE OR GATE
A4 B4 Y4 Y3 A3 B3
A1 B1 Y1 Y2 A2 B2
D3
QR3 ON/½
NOT FOR AG-7150
TRUTH TABLE
A B Y
L L L
H L H
L H H
H H L
IC4 (VIDEO SW)
PB Y
VR3
Q15,16,17
AMP
C50
D4
QR4 S-VHS/ON
IC14 (Y,C VV SELEC
REF NO.3500 SERIES


IC2 (INPUT SELECT AGC)
AGC
5V
PEAK DET
GCA
CLAMP
IC1
TP1
BUFFER
Q20
Q19
BUFFER
Q21,22
BUFFER
Q23,24
BUFFER
TP3501 REC PLAY 2.1Vp-p 1.7Vp-p
J1 (AG-7150: OPEN)
NO VIDEO Ⓗ
QR9
IC11 (CHARACTER GENERATER)
CV IN (VIDEO IN)
VIDEO OUT
VERT (V SYNC)
HOR (H SYNC)
SYEX (SIGNAL DETECT)
SCK
SIN
CS
CO
BLNK
CB
RS
IC9 (AFC)
V.OSC
SYNC SEP
AFC
P.COM
QR5 (INV.)
NO VIDEO Ⓗ
E-E Ⓗ
D6
C91
QR6 ON/V·E→E·E
Q25 AMP
Q26 BUFFER
QR8 OFF/NO VIDEO
SECAM Ⓗ
QR12 ON/SECAM
Q27,28 MIX
Q29 MIX
IC13
Q31,32,33 AMP
IC8
E-E VIDEO
Y/C IN Y
OSD Y
MOTHER C.B.A.
TO SYSTEM CTL.
TO VIDEO (1)
TP3503 REC PLAY 2.1Vp-p 1.7Vp-p
TP3 TP2 TP4
4P Y OUT
VIDEO OUT 1
VIDEO OUT 2
4P C OUT
VIDEO OUT (1)
VIDEO OUT (2)
4P OUT
REAR JACK C.B.A.
IC15 (OUTPUT INTERFACE)
Y AMP
COMPOSITE AMP
C AMP
YC MIX
OSD
VVY
EEY
EE/VV SELECT
OSD MODE SELECT
EEC
VVC
Q11
TP3502 REC PLAY 2.0Vp-p 1.6Vp-p
EE Ⓗ
Q30
Q35
QR15 ON/EE
IC13
QR14
SECAM Ⓛ
OSD ON Ⓛ
Q9 BUFFER
FL2 LPF
IC1 CCD 1H DELAY
Q1 BUFFER
4.43 MHz OSC
CCD PACK1 C.B.A.
FL3 LPF
Q10,11 BUFFER
FL7 LPF
CCD PACK2 C.B.A.
FL4 LPF
Q12 BUFFER
2H Y
VR2
Q13 BUFFER
NOT FOR AG-7150
J3 (AG-7150: OPEN)
IC4 (VIDEO SW)
PB Y
VR3
Q15,16,17 AMP
C50
D4
QR4 S-VHS/ON
NOT FOR AG-7150
IC5 (SW GATE)
EXCLUSIVE OR GATE
D3
QR3 ON/½
IC14 (Y,C VV SELECT)
OSD ON Ⓛ
Y/C IN C
SECAM Ⓗ
Y PB 2
S-VHS Ⓗ
Y PB 1
CONNECT Ⓛ
C OUT
X 1/2 Ⓗ
C PB 2
C PB 1
FROM FRONT
TO VIDEO (2)
FROM VIDEO (2)
FROM VIDEO (1)
FROM VIDEO (2)
FROM SYSTEM CTL.

TRUTH TABLE

A	B	Y
L	L	L
H	L	H
L	H	H
H	H	L

		MOTHER C.B.A.		
E-E VIDEO	P3501 7A	P933 7A	P963 13	P6003 6
Y/C IN Y	P3501 15A	P933 15A	P931 15B	P3002 15B
OSD Y	P3501 9A	P933 9A		
4P Y OUT	P3501 26A	P933 26A	P991 1	P6901 1
VIDEO OUT 1	P3501 27A	P933 27A	P991 3	P6901 3
VIDEO OUT 2	P3501 28A	P933 28A	P991 4	P6901 4
4P C OUT	P3501 25A	P933 25A	P992 10	P6902 10
OSD ON Ⓛ	P3501 5A	P933 5A	P974 2	P6202 2
Y/C IN C	P3501 14A	P933 14A	P932 14B	P8001 14B
SECAM Ⓗ	P3501 2B	P933 2B	P932 4B	P8001 4B
Y PB 2	P3501 19A	P933 19A		
S-VHS Ⓗ	P3501 8B	P933 8B	P931 8B	P3002 8B
Y PB 1	P3501 16A	P933 16A		
CONNECT Ⓛ	P3501 18A	P933 18A		
C OUT	P3501 18B	P933 18B	P932 18A	P8001 18A
X 1/2 Ⓗ	P3501 27B	P933 27B	P962 2	P6002 17
C PB 2	P3501 20A	P933 20A		
C PB 1	P3501 17A	P933 17A		

■■ VIDEO MAIN SIGNAL PATH IN REC MODE (S-VHS)

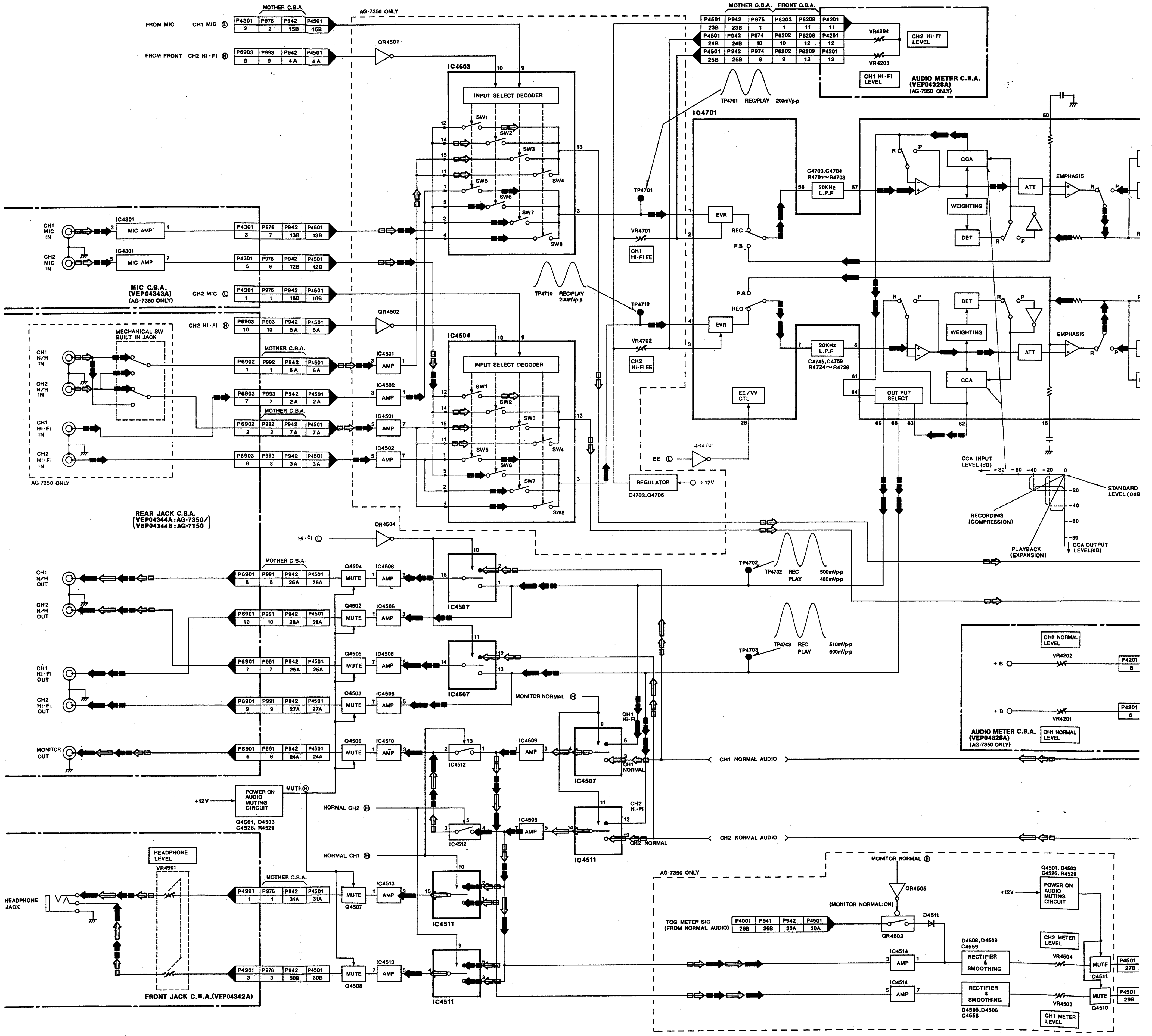
⇦□ VIDEO MAIN SIGNAL PATH IN REC MODE (VHS)

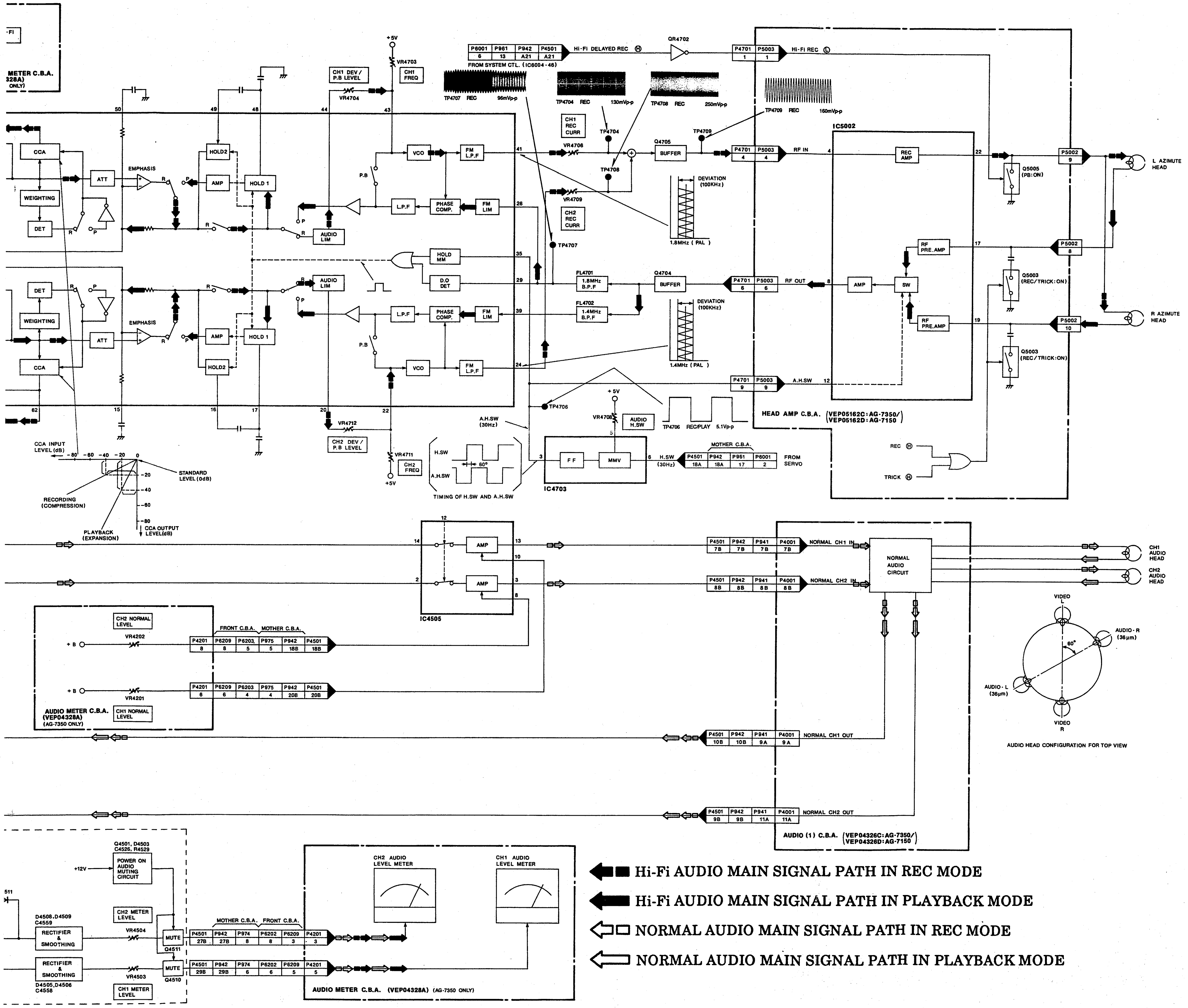
■ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)

⇦ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

REF NO.3500 SERIES

Hi-Fi AUDIO BLOCK DIAGRAM


AG-7350 ONLY
MOTHER C.B.A.
FROM MIC CH1 MIC Ⓛ
FROM FRONT CH2 HI·FI Ⓗ
QR4501
IC4503
INPUT SELECT DECODER
SW1
SW2
SW3
SW4
SW5
SW6
SW7
SW8
MOTHER C.B.A. FRONT C.B.A.
VR4204
CH2 HI·FI LEVEL
VR4203
CH1 HI·FI LEVEL
AUDIO METER C.B.A. (VEP04328A) (AG-7350 ONLY)
TP4701 REC/PLAY 200mVp-p
IC4701
C4703,C4704 R4701~R4703
20KHz L.P.F
CCA
WEIGHTING
DET
ATT
EMPHASIS
TP4701
VR4701
CH1 HI-FI EE
EVR
REC
P.B
CH1 MIC IN
CH2 MIC IN
IC4301
MIC AMP
MIC C.B.A. (VEP04343A) (AG-7350 ONLY)
CH2 MIC Ⓛ
CH2 HI·FI Ⓗ
QR4502
TP4710 REC/PLAY 200mVp-p
TP4710
IC4504
VR4702
CH2 HI-FI EE
C4745,C4759 R4724~R4726
EE/VV CTL
OUT PUT SELECT
MECHANICAL SW BUILT IN JACK
CH1 N/H IN
CH2 N/H IN
CH1 HI·FI IN
CH2 HI·FI IN
AG-7350 ONLY
IC4501
IC4502
AMP
EE Ⓛ
QR4701
REGULATOR
Q4703,Q4706
+12V
CCA INPUT LEVEL (dB)
-80 -60 -40 -20 0
-20 -40 -60 -80
STANDARD LEVEL (0dB)
RECORDING (COMPRESSION)
PLAYBACK (EXPANSION)
CCA OUTPUT LEVEL(dB)
REAR JACK C.B.A. (VEP04344A : AG-7350/ VEP04344B : AG-7150)
HI·FI Ⓛ
QR4504
CH1 N/H OUT
CH2 N/H OUT
CH1 HI·FI OUT
CH2 HI·FI OUT
MONITOR OUT
MUTE
Q4504
Q4502
Q4505
Q4503
Q4506
IC4508
IC4505
IC4506
IC4510
IC4507
TP4702 REC 500mVp-p PLAY 480mVp-p
TP4703 REC 510mVp-p PLAY 500mVp-p
CH2 NORMAL LEVEL
VR4202
+B
VR4201
CH1 NORMAL LEVEL
AUDIO METER C.B.A. (VEP04328A) (AG-7350 ONLY)
MONITOR NORMAL Ⓗ
IC4512
IC4509
CH1 HI-FI
CH1 NORMAL
CH1 NORMAL AUDIO
CH2 HI-FI
CH2 NORMAL
CH2 NORMAL AUDIO
IC4511
POWER ON AUDIO MUTING CIRCUIT
Q4501, D4503 C4526, R4529
MUTE Ⓗ
NORMAL CH2 Ⓗ
NORMAL CH1 Ⓗ
HEADPHONE LEVEL
VR4901
HEADPHONE JACK
IC4513
Q4507
Q4508
FRONT JACK C.B.A.(VEP04342A)
MONITOR NORMAL Ⓗ
QR4505
(MONITOR NORMAL:ON)
TCG METER SIG (FROM NORMAL AUDIO)
QR4503
D4511
IC4514
RECTIFIER & SMOOTHING
D4508,D4509 C4559
D4505,D4506 C4558
CH2 METER LEVEL
VR4504
VR4503
CH1 METER LEVEL
Q4511
Q4510
P4301 P976 P942 P4501
P6903 P993 P942 P4501
P6902 P992 P942 P4501
P6901 P991 P942 P4501
P4901 P976 P942 P4501
P4001 P941 P942 P4501
P4201



METER C.B.A.
HI-FI DELAYED REC Ⓗ
FROM SYSTEM CTL. (IC6004-46)
P6001 P961 P942 P4501
QR4702
P4701 P5003
HI-FI REC Ⓛ
TP4707 REC 96mVp-p
TP4704 REC 130mVp-p
TP4708 REC 250mVp-p
TP4709 REC 160mVp-p
+5V
VR4703
CH1 FREQ
CH1 DEV / P.B LEVEL
VR4704
CCA
WEIGHTING
DET
ATT
EMPHASIS
HOLD2
HOLD 1
AMP
AUDIO LIM
VCO
FM L.P.F
L.P.F
PHASE COMP.
FM LIM
HOLD MM
D.O DET
CH1 REC CURR
CH2 REC CURR
VR4706
VR4709
TP4704
TP4708
TP4707
Q4705
BUFFER
Q4704
FL4701 1.8MHz B.P.F
FL4702 1.4MHz B.P.F
DEVIATION (100KHz)
1.8MHz (PAL)
1.4MHz (PAL)
RF IN
RF OUT
A.H.SW
IC5002
REC AMP
RF PRE.AMP
SW
P5002
Q5005 (PB:ON)
Q5003 (REC/TRICK:ON)
L AZIMUTE HEAD
R AZIMUTE HEAD
HEAD AMP C.B.A. (VEP05162C:AG-7350/ VEP05162D:AG-7150)
REC Ⓗ
TRICK Ⓗ
TP4706
TP4706 REC/PLAY 5.1Vp-p
VR4708
AUDIO H.SW
VR4712
CH2 DEV / P.B LEVEL
VR4711
CH2 FREQ
A.H.SW (30Hz)
H.SW
60°
TIMING OF H.SW AND A.H.SW
FF
MMV
IC4703
H.SW (30Hz)
MOTHER C.B.A.
P4501 P942 P951 P6001
FROM SERVO
CCA INPUT LEVEL (dB)
STANDARD LEVEL (0dB)
RECORDING (COMPRESSION)
PLAYBACK (EXPANSION)
CCA OUTPUT LEVEL(dB)
IC4505
NORMAL CH1 IN
NORMAL CH2 IN
NORMAL AUDIO CIRCUIT
P4501 P942 P941 P4001
CH1 AUDIO HEAD
CH2 AUDIO HEAD
NORMAL CH1 OUT
NORMAL CH2 OUT
AUDIO (1) C.B.A. (VEP04326C:AG-7350/ VEP04326D:AG-7150)
CH2 NORMAL LEVEL
VR4202
VR4201
CH1 NORMAL LEVEL
FRONT C.B.A.
MOTHER C.B.A.
P4201 P6209 P6203 P975 P942 P4501
AUDIO METER C.B.A. (VEP04328A) (AG-7350 ONLY)
VIDEO L
AUDIO-R (36µm)
AUDIO-L (36µm)
VIDEO R
AUDIO HEAD CONFIGURATION FOR TOP VIEW
Q4501, D4503 C4526, R4529
POWER ON AUDIO MUTING CIRCUIT
+12V
D4508, D4509 C4559
RECTIFIER & SMOOTHING
D4505, D4506 C4558
CH2 METER LEVEL
VR4504
VR4503
CH1 METER LEVEL
MUTE
Q4511
Q4510
P4501 P942 P974 P6202 P6209 P4201
CH2 AUDIO LEVEL METER
CH1 AUDIO LEVEL METER
AUDIO METER C.B.A. (VEP04328A) (AG-7350 ONLY)

◀■ Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE

◀ Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

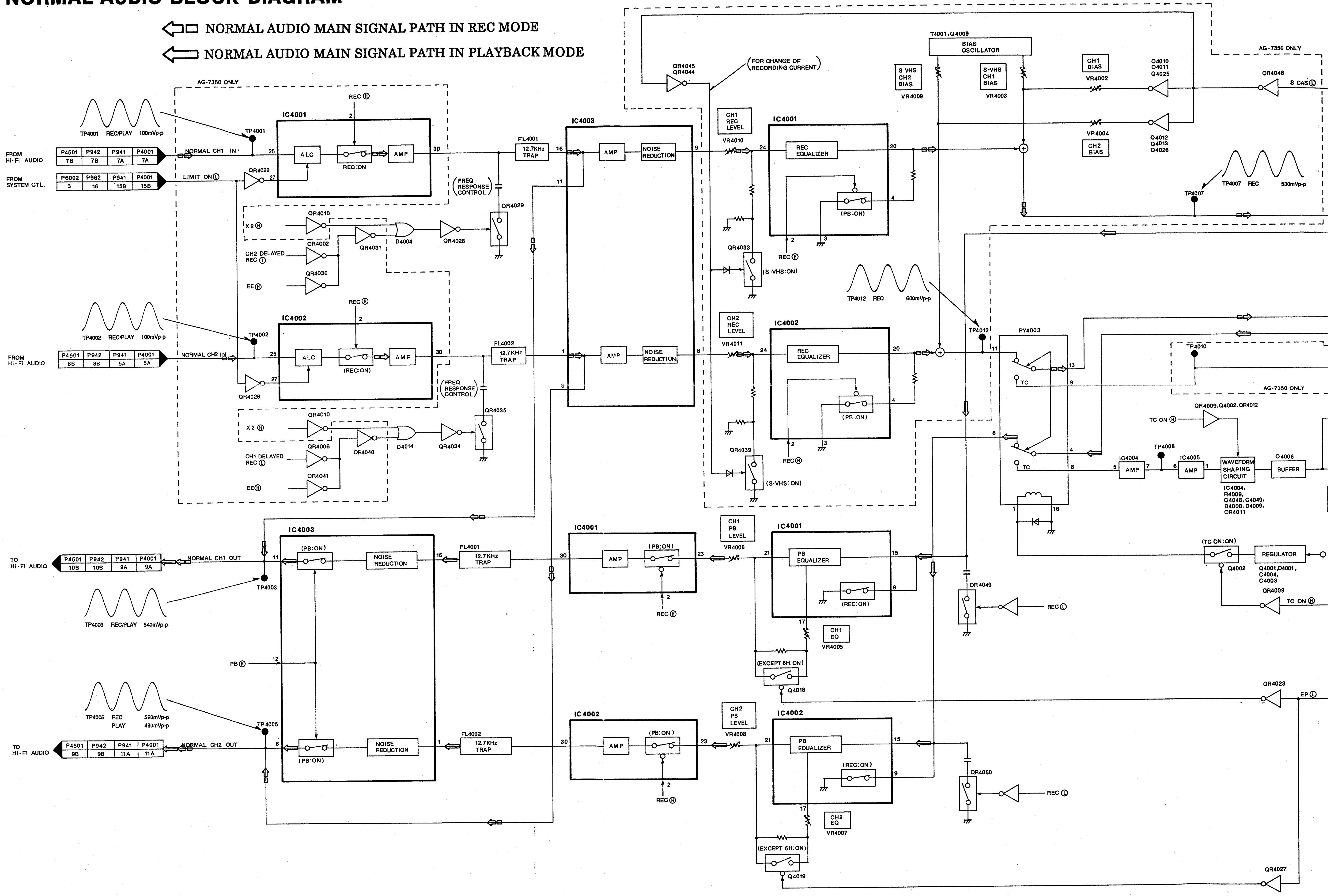
⇦□ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE

⇦ NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

NORMAL AUDIO BLOCK DIAGRAM

⇦ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE

⇦ NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE


AG-7350 ONLY
TP4001 REC/PLAY 100mVp-p
FROM Hi-Fi AUDIO
P4501 7B P942 7B P941 7A P4001 7A
NORMAL CH1 IN
FROM SYSTEM CTL.
P6002 3 P962 16 P941 15B P4001 15B
LIMIT ON Ⓛ
QR4022
IC4001
ALC
REC Ⓗ
REC:ON
AMP
(FREQ RESPONSE CONTROL)
QR4029
FL4001 12.7KHz TRAP
X2 Ⓗ
QR4010
QR4002
QR4031
D4004
QR4028
CH2 DELAYED REC Ⓛ
QR4030
EE Ⓗ
TP4002 REC/PLAY 100mVp-p
IC4002
FROM Hi-Fi AUDIO
P4501 8B P942 8B P941 5A P4001 5A
NORMAL CH2 IN
QR4026
(REC:ON)
FL4002 12.7KHz TRAP
QR4035
QR4006
QR4040
D4014
QR4034
CH1 DELAYED REC Ⓛ
QR4041
IC4003
AMP
NOISE REDUCTION
QR4045 QR4044
(FOR CHANGE OF RECORDING CURRENT)
CH1 REC LEVEL VR4010
REC EQUALIZER
(PB:ON)
QR4033
(S-VHS:ON)
CH2 REC LEVEL VR4011
QR4039
T4001, Q4009 BIAS OSCILLATOR
S-VHS CH2 BIAS VR4009
S-VHS CH1 BIAS VR4003
CH1 BIAS VR4002
CH2 BIAS VR4004
Q4010 Q4011 Q4025
Q4012 Q4013 Q4026
AG-7350 ONLY
QR4046
S CAS Ⓛ
TP4007 REC 530mVp-p
TP4012 REC 600mVp-p
RY4003
TC
TP4010
TC ON Ⓗ
QR4009, Q4002, QR4012
TP4008
IC4004 AMP
IC4005 AMP
WAVEFORM SHAPING CIRCUIT
Q4006 BUFFER
IC4004, R4009, C4048, C4049, D4008, D4009, QR4011
TO Hi-Fi AUDIO
P4501 10B P942 10B P941 9A P4001 9A
NORMAL CH1 OUT
TP4003 REC/PLAY 540mVp-p
PB Ⓗ
TP4005 REC 520mVp-p PLAY 490mVp-p
TO Hi-Fi AUDIO
P4501 9B P942 9B P941 11A P4001 11A
NORMAL CH2 OUT
CH1 PB LEVEL VR4006
PB EQUALIZER
(REC:ON)
CH1 EQ VR4005
(EXCEPT 6H:ON)
Q4018
CH2 PB LEVEL VR4008
CH2 EQ VR4007
Q4019
QR4049
QR4050
REC Ⓛ
(TC ON:ON)
Q4002
REGULATOR
Q4001, D4001, C4004, C4003
QR4009
TC ON Ⓗ
QR4023
EP Ⓛ
QR4027

Section 7

SCHEMATIC DIAGRAMS
AND
CIRCUIT BOARDS

CONTENTS

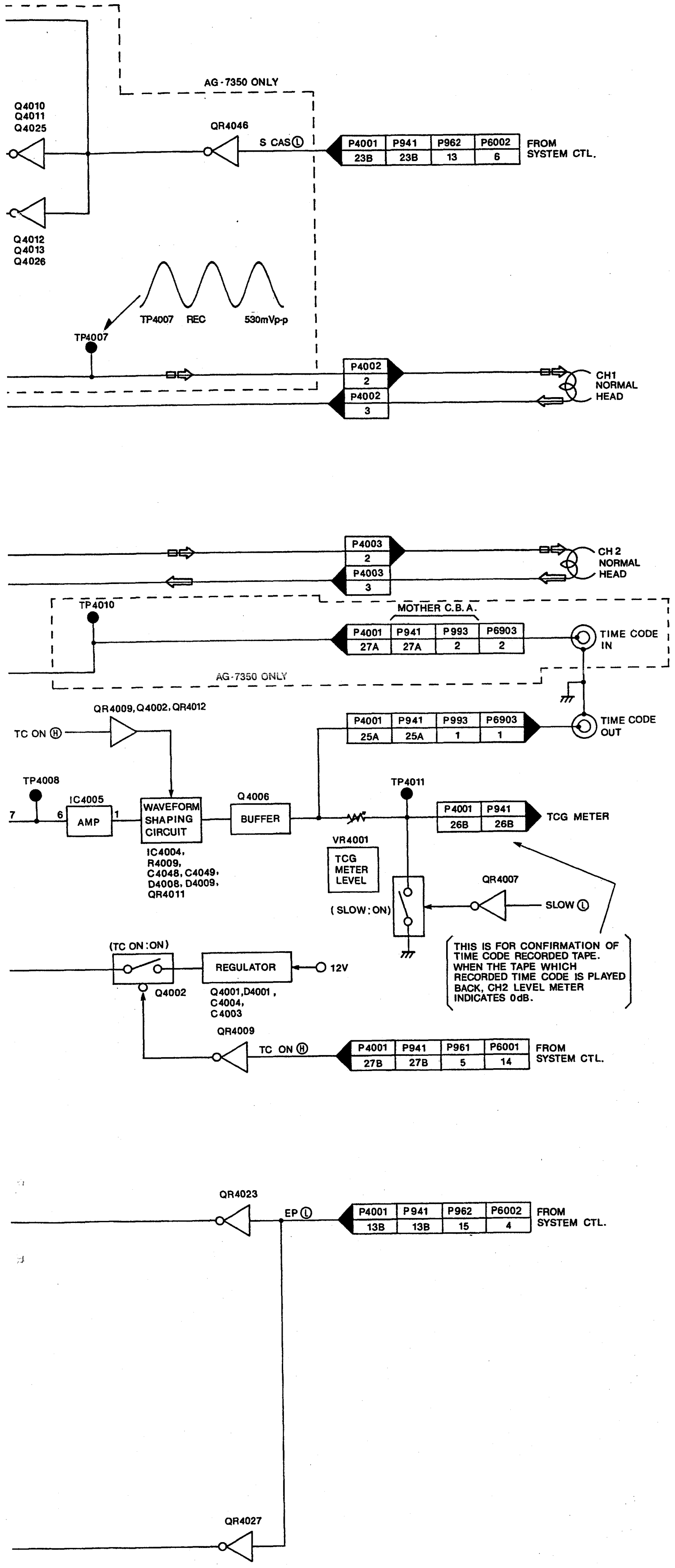
SW POWER SUPPLY C.B.A., SUB POWER SUPPLY C.B.A. AND POWER CONNECTION C.B.A. SCM-3
POWER SUPPLY SCM-3
SERVO & SYSTEM CONTROL C.B.A., SERVO TP C.B.A., SERVO VR C.B. AND MOTOR BASE C.B.A. SCM-4
SYSTEM CONTROL SCM-5
SERVO SCM-6
POWER DETECTION C.B.A. SCM-7
POWER DETECTION SCM-7
REEL SERVO C.B.A. SCM-8
REEL SERVO SCM-9
MOTHER C.B.A. AND MIC C.B.A. SCM-10
MOTHER SCM-11
VIDEO (1) C.B.A. SCM-12
VIDEO (1) SCM-13
VIDEO (3) SCM-14
VIDEO (3) C.B.A., CCD PACK (1) C.B.A. AND CCD PACK (2) C.B.A. SCM-15
VIDEO (2) SCM-16
VIDEO (2) C.B.A. AND CCD UNIT C.B.A. SCM-17
AUDIO (2) C.B.A. SCM-18
AUDIO (2) SCM-19
AUDIO (1) C.B.A. SCM-20
AUDIO (1) SCM-21
FRONT C.B.A., AUDIO METER C.B.A., FRONT JACK C.B.A. AND SEARCH DIAL UNIT SCM-22
FRONT SCM-23
HEAD AMP C.B.A. SCM-24
HEAD AMP SCM-24
REAR JACK C.B.A. SCM-25
REAR JACK SCM-25
34P C.B.A. SCM-26
34P INTERFACE SCM-26
INTERCONNECTION SCM-27

NOTE : DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

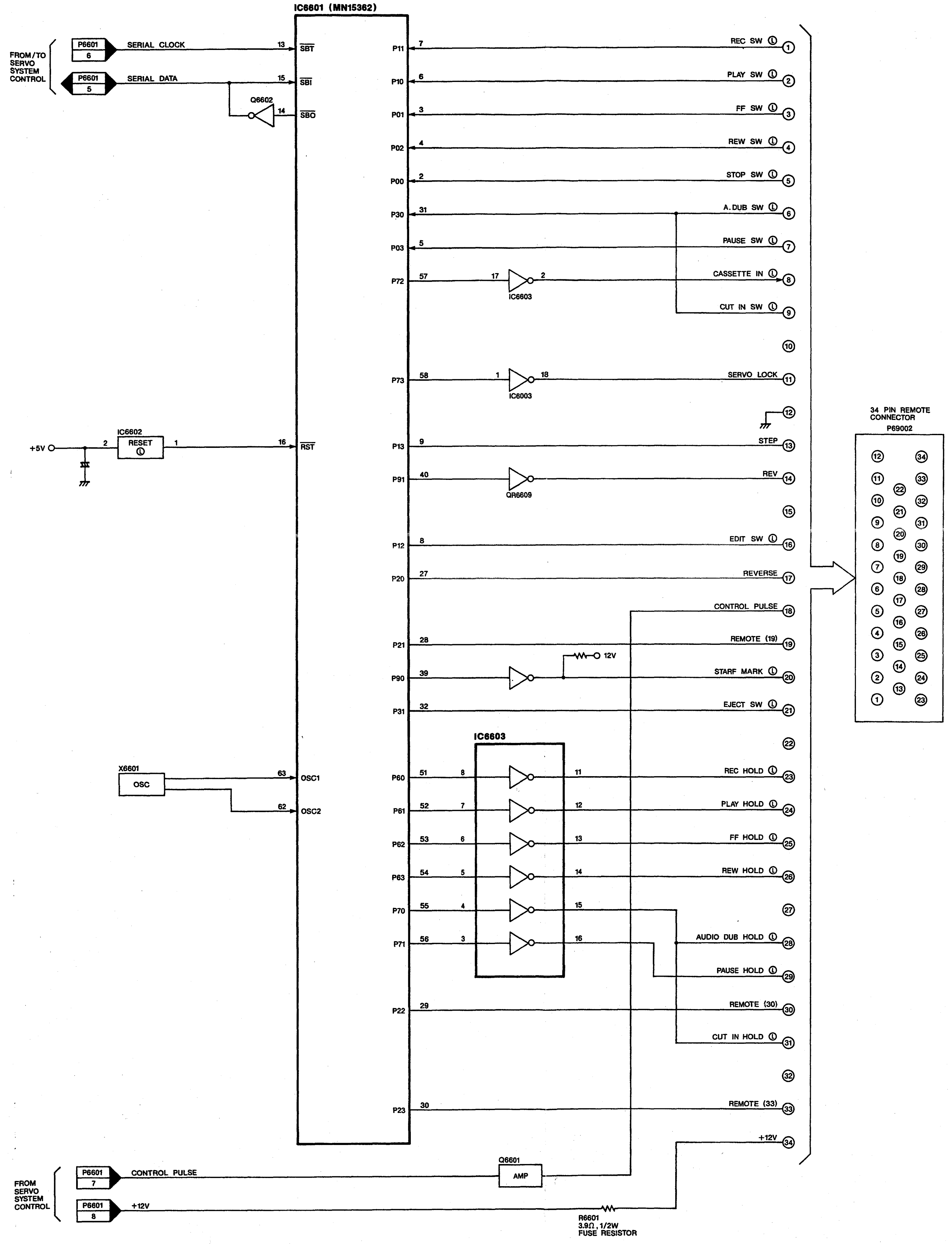
NOTE : THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS (   ) ON THESE DIAGRAMS IS REC MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE OUT OF BRACKETS ON THESE DIAGRAMS IS STOP MODE.
MEASUREMENT SIGNAL ... PAL COLOUR SIGNAL. MEASUREMENT TAPE ... S-VHS TAPE.

IMPORTANT SAFETY NOTICE :

COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.


Q4010
Q4011
Q4025
Q4012
Q4013
Q4026
AG-7350 ONLY
QR4046
S CAS Ⓛ
P4001 23B
P941 23B
P962 13
P6002 6
FROM SYSTEM CTL.
TP4007 REC 530mVp-p
TP4007
P4002 2
P4002 3
CH1 NORMAL HEAD
P4003 2
P4003 3
CH 2 NORMAL HEAD
TP4010
MOTHER C.B.A.
P4001 27A
P941 27A
P993 2
P6903 2
TIME CODE IN
AG-7350 ONLY
QR4009, Q4002, QR4012
TC ON Ⓗ
P4001 25A
P941 25A
P993 1
P6903 1
TIME CODE OUT
TP4008
IC4005
AMP
7
6
1
WAVEFORM SHAPING CIRCUIT
IC4004, R4009, C4048, C4049, D4008, D4009, QR4011
Q4006
BUFFER
VR4001
TCG METER LEVEL
TP4011
P4001 26B
P941 26B
TCG METER
QR4007
SLOW Ⓛ
(SLOW : ON)
THIS IS FOR CONFIRMATION OF TIME CODE RECORDED TAPE. WHEN THE TAPE WHICH RECORDED TIME CODE IS PLAYED BACK, CH2 LEVEL METER INDICATES 0dB.
(TC ON : ON)
Q4002
REGULATOR
12V
Q4001, D4001, C4004, C4003
QR4009
TC ON Ⓗ
P4001 27B
P941 27B
P961 5
P6001 14
FROM SYSTEM CTL.
QR4023
EP Ⓛ
P4001 13B
P941 13B
P962 15
P6002 4
FROM SYSTEM CTL.
QR4027

34P INTERFACE BLOCK DIAGRAM


IC6601 (MN15362)
FROM/TO SERVO SYSTEM CONTROL
P6601 6
SERIAL CLOCK
13 SBT
P6601 5
SERIAL DATA
15 SBI
Q6602
14 SBO
IC6602
RESET Ⓛ
+5V
2
1
16 RST
X6601
OSC
63 OSC1
62 OSC2
P11 7 REC SW Ⓛ ①
P10 6 PLAY SW Ⓛ ②
P01 3 FF SW Ⓛ ③
P02 4 REW SW Ⓛ ④
P00 2 STOP SW Ⓛ ⑤
P30 31 A.DUB SW Ⓛ ⑥
P03 5 PAUSE SW Ⓛ ⑦
P72 57 17 IC6603 2 CASSETTE IN Ⓛ ⑧
CUT IN SW Ⓛ ⑨
⑩
P73 58 1 IC6003 18 SERVO LOCK ⑪
⑫
P13 9 STEP ⑬
P91 40 QR6609 REV ⑭
⑮
P12 8 EDIT SW Ⓛ ⑯
P20 27 REVERSE ⑰
CONTROL PULSE ⑱
P21 28 REMOTE (19) ⑲
P90 39 12V STARF MARK Ⓛ ⑳
P31 32 EJECT SW Ⓛ ㉑
㉒
IC6603
P60 51 8 11 REC HOLD Ⓛ ㉓
P61 52 7 12 PLAY HOLD Ⓛ ㉔
P62 53 6 13 FF HOLD Ⓛ ㉕
P63 54 5 14 REW HOLD Ⓛ ㉖
㉗
P70 55 4 15 AUDIO DUB HOLD Ⓛ ㉘
P71 56 3 16 PAUSE HOLD Ⓛ ㉙
P22 29 REMOTE (30) ㉚
CUT IN HOLD Ⓛ ㉛
㉜
P23 30 REMOTE (33) ㉝
+12V ㉞
34 PIN REMOTE CONNECTOR
P69002
FROM SERVO SYSTEM CONTROL
P6601 7
CONTROL PULSE
Q6601
AMP
P6601 8
+12V
R6601
3.9Ω, 1/2W
FUSE RESISTOR

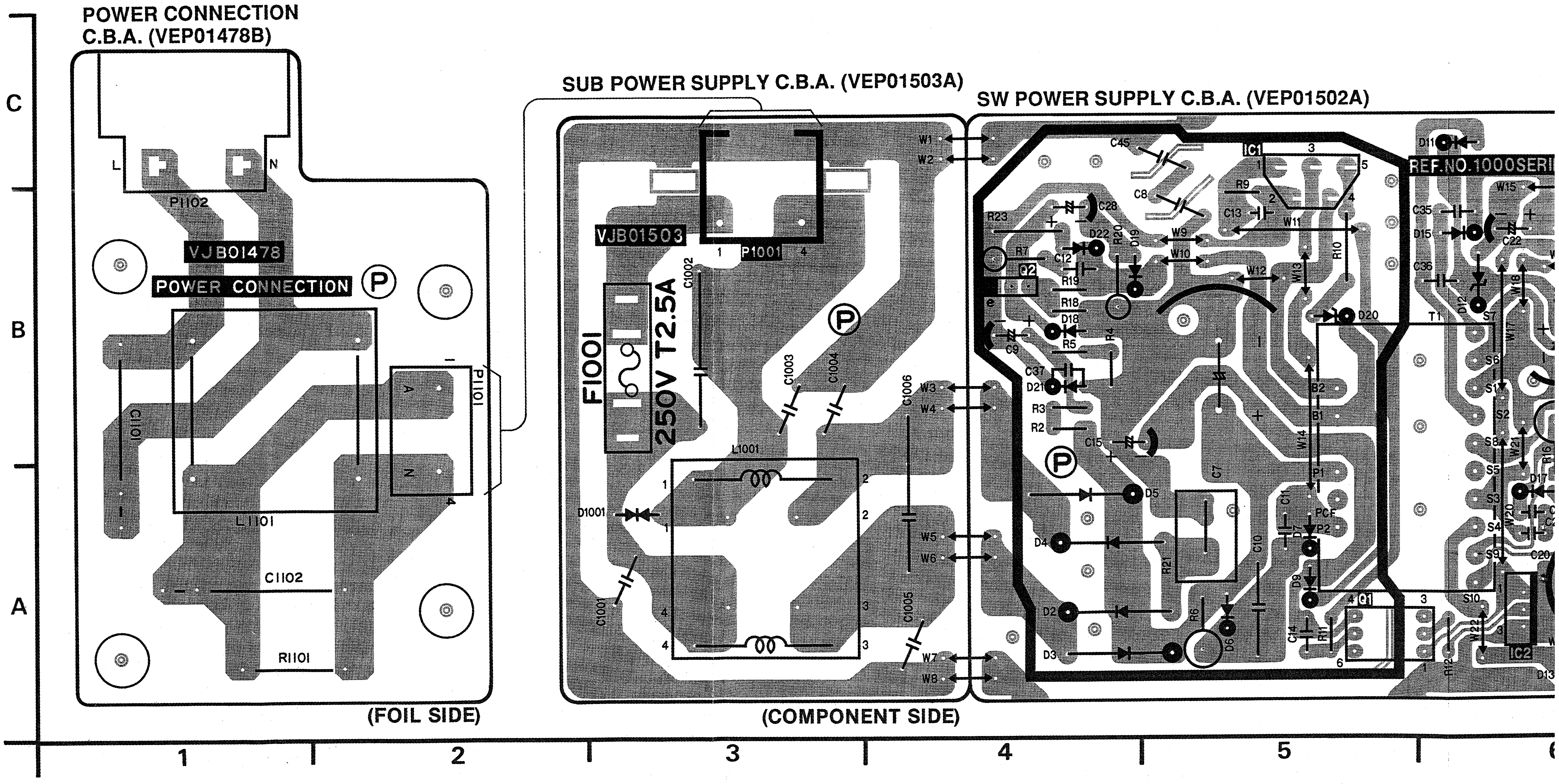
SW POWER SUPPLY C.B.A. (VEP01502A), SUB POWER SUPPLY C.B.A. (VEP01503A) AND POWER CONNECTION C.B.A. (VEP01478B)

POWER CONNECTION C.B.A.	
Connector	
P1101 P1102	B-2 Ⓕ B-1 Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

SUB POWER SUPPLY C.B.A.	
Connector	
P1101	B-3 Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE


POWER CONNECTION
C.B.A. (VEP01478B)
SUB POWER SUPPLY C.B.A. (VEP01503A)
SW POWER SUPPLY C.B.A. (VEP01502A)
C
B
A
1
2
3
4
5
6
L
N
P1102
VJB01478
POWER CONNECTION
P
C1101
L1101
C1102
R1101
P1101
A
N
4
VJB01503
P1001
1
4
F1001
250V T2.5A
C1002
C1003
C1004
C1006
C1005
C1001
L1001
D1001
W1
W2
W3
W4
W5
W6
W7
W8
C45
IC1
C8
R9
C13
W11
R10
C28
R23
D22
R20
D19
W9
W10
R7
C12
Q2
R19
R18
D18
R5
R4
C9
C37
D21
R3
R2
W12
W13
D20
B2
B1
W14
P1
PCF
P2
C15
D5
D4
D2
D3
C7
C10
C11
D7
D9
R21
R6
D6
C14
R11
Q1
R12
IC2
D11
REF.NO.1000SERI
W15
C35
D15
C36
C22
D12
T1
S7
W17
W18
S6
S1
S2
S8
S5
S3
S4
S9
S10
W20
W21
W22
R16
D17
C20
D13

(FOIL SIDE)

(COMPONENT SIDE)

ꞁA) AND POWER CONNECTION C.B.A. (VEP01478B)

'OWER SUPPLY C.B.A.	
ıctor	
⁾1	B-3 Ⓕ

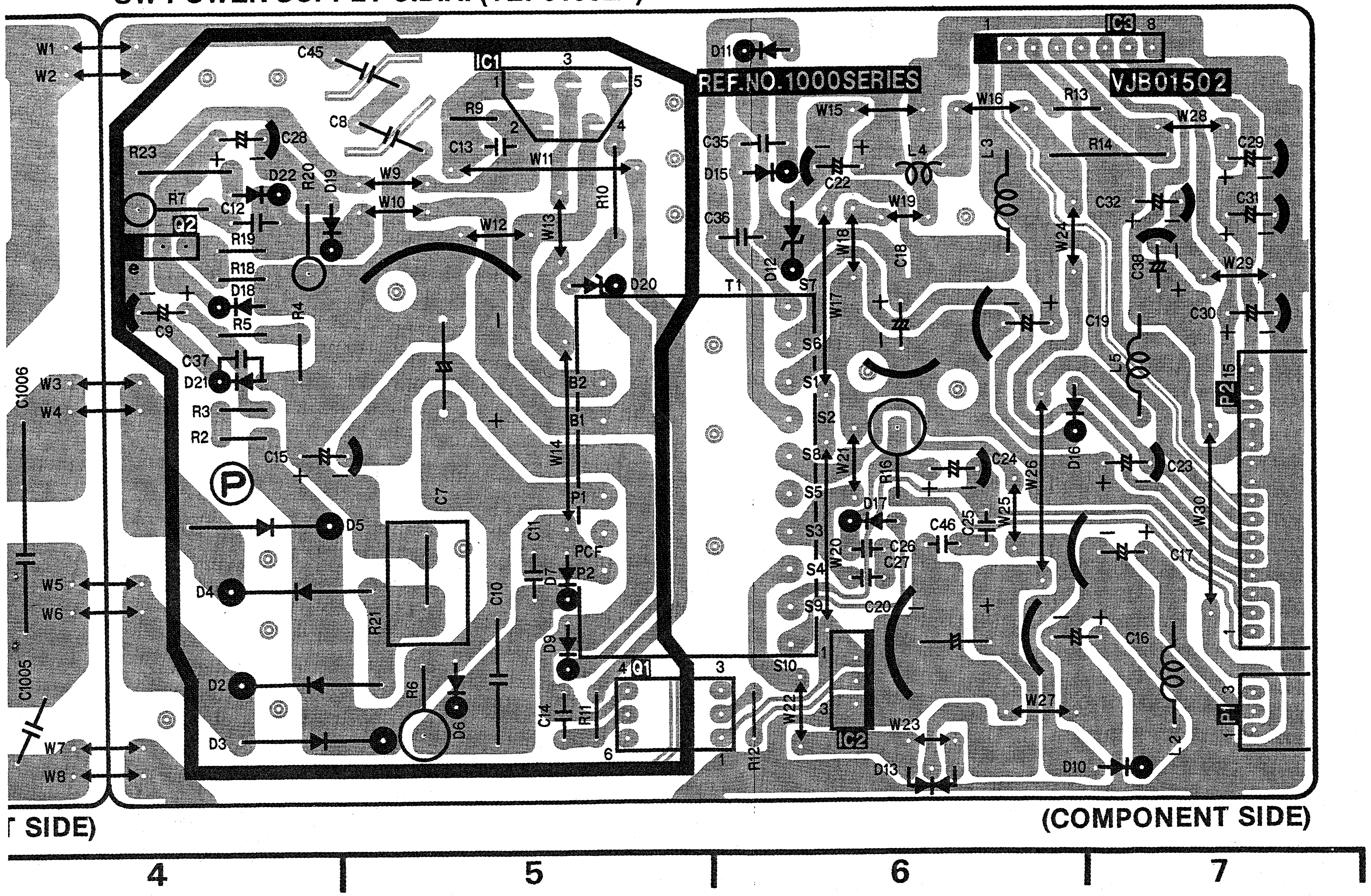
ꞁS INFORMATION
ıPONENT SIDE
L SIDE

SW POWER SUPPLY C.B.A.	
Transistor	
Q1001 Q1002	A-5 Ⓕ B-4 Ⓕ
Integrated Circuit	
IC1001 IC1002 IC1003	C-5 Ⓕ A-6 Ⓕ C-7 Ⓕ
Connector	
P1001 P1002	A-7 Ⓕ B-7 Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

ı1503A)

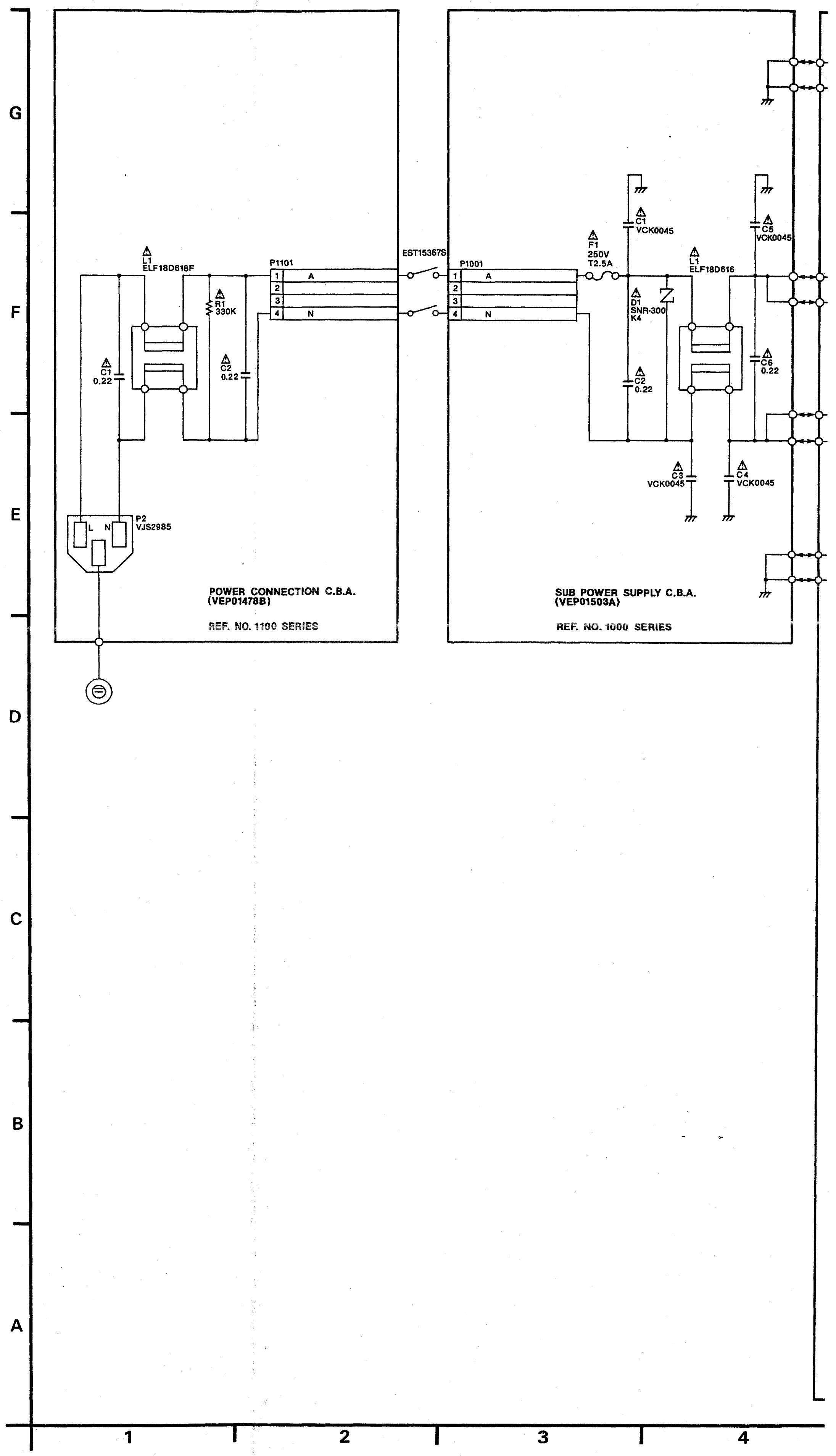
SW POWER SUPPLY C.B.A. (VEP01502A)


W1
W2
W3
W4
W5
W6
W7
W8
C1006
C1005
C45
C8
IC1
1
2
3
4
5
R9
C13
W11
R23
C28
D22
R20
D19
W9
W10
R7
C12
Q2
R19
W12
W13
R10
R18
e
D18
R5
R4
C9
D20
C37
D21
R3
R2
B2
B1
C15
W14
P1
P
D5
C7
C11
PCF
P2
D4
D7
R21
C10
D9
D2
R6
D6
C14
R11
Q1
4
3
6
1
D3
REF.NO.1000SERIES
D11
W15
C35
D15
L4
C22
W19
C36
D12
S7
W18
C18
T1
W17
S6
S1
S2
S8
W21
R16
S5
D17
S3
C26
C27
W20
S4
S9
C20
S10
W22
IC2
W23
R12
D13
C46
C25
W25
W26
C24
D16
C23
W30
C17
C16
W27
L2
D10
VJB01502
IC3
1
8
W16
R13
W28
R14
L3
C29
C31
C32
W24
C38
W29
C30
C19
L5
P2
15
C21
P1
3
1
4
5
6
7

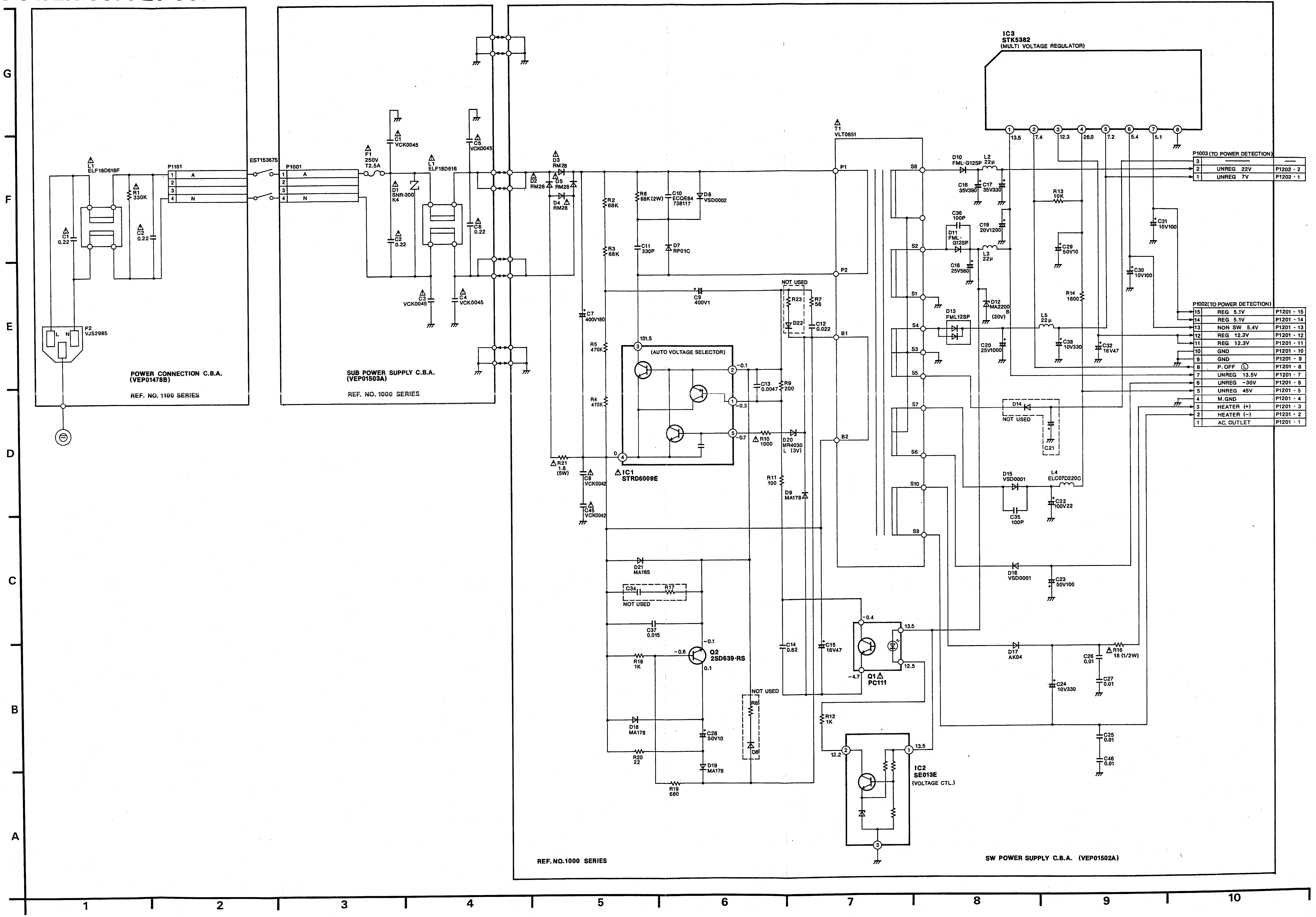
(COMPONENT SIDE)

ꞁT SIDE)

POWER SUPPLY SCHEMATIC DIAGRAM


G
F
E
D
C
B
A
1
2
3
4
L1
ELF18D618F
R1
330K
C1
0.22
C2
0.22
P1101
1
2
3
4
A
N
EST15367S
P1001
1
2
3
4
A
N
P2
VJS2985
L
N
POWER CONNECTION C.B.A.
(VEP01478B)
REF. NO. 1100 SERIES
F1
250V
T2.5A
C1
VCK0045
D1
SNR-300
K4
C2
0.22
L1
ELF18D616
C5
VCK0045
C6
0.22
C3
VCK0045
C4
VCK0045
SUB POWER SUPPLY C.B.A.
(VEP01503A)
REF. NO. 1000 SERIES

POWER SUPPLY SCHEMATIC DIAGRAM


G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
L1 ELF18D618F
R1 330K
C1 0.22
C2 0.22
P1101
A
N
P2 VJS2985
L
N
POWER CONNECTION C.B.A. (VEP01478B)
REF. NO. 1100 SERIES
EST15367S
P1001
F1 250V T2.5A
C1 VCK0045
D1 SNR-300 K4
C2 0.22
L1 ELF18D616
C5 VCK0045
C6 0.22
C3 VCK0045
C4 VCK0045
SUB POWER SUPPLY C.B.A. (VEP01503A)
REF. NO. 1000 SERIES
D3 RM28
D2 RM28
D5 RM28
D4 RM28
R2 68K
R3 68K
R6 68K (2W)
C10 ECQE64 738117
D6 VSD0002
C11 330P
D7 RP01C
C7 400V180
C9 400V1
NOT USED
R23
R7 56
D22
C12 0.022
R5 470K
R4 470K
131.5
(AUTO VOLTAGE SELECTOR)
-0.1
-0.3
-0.7
C13 0.0047
R9 200
R10 1000
D20 MR4030 L (3V)
R21 1.8 (5W)
C8 VCK0042
C45 VCK0042
IC1 STRD6009E
R11 100
D9 MA178
T1 VLT0651
P1
P2
B1
B2
D21 MA165
C34
R17
NOT USED
C37 0.015
Q2 2SD639-RS
-0.1
-0.6
0.1
R18 1K
D18 MA178
C28 50V10
R20 22
D19 MA178
R19 680
NOT USED
R8
D8
C14 0.82
C15 16V47
-0.4
13.5
-4.7
12.5
Q1 PC111
R12 1K
12.2
13.5
IC2 SE013E (VOLTAGE CTL.)
REF. NO.1000 SERIES
SW POWER SUPPLY C.B.A. (VEP01502A)
S8
S2
S1
S4
S3
S5
S7
S6
S10
S9
IC3 STK5382 (MULTI VOLTAGE REGULATOR)
13.5
7.4
12.3
26.0
7.2
5.4
5.1
D10 FML-G12SP
L2 22μ
C16 35V390
C17 35V330
C36 100P
D11 FML-G12SP
C19 20V1200
L3 22μ
C18 25V560
D12 MA2200 B (20V)
D13 FML12SP
C20 25V1000
R13 10K
C29 50V10
R14 1800
L5 22μ
C38 10V330
C32 16V47
C30 10V100
C31 10V100
D14
NOT USED
C21
D15 VSD0001
L4 ELC07D220C
C35 100P
C22 100V22
D16 VSD0001
C23 50V100
D17 AK04
C24 10V330
C26 0.01
R16 18 (1/2W)
C27 0.01
C25 0.01
C46 0.01
P1003 (TO POWER DETECTION)
P1002 (TO POWER DETECTION)

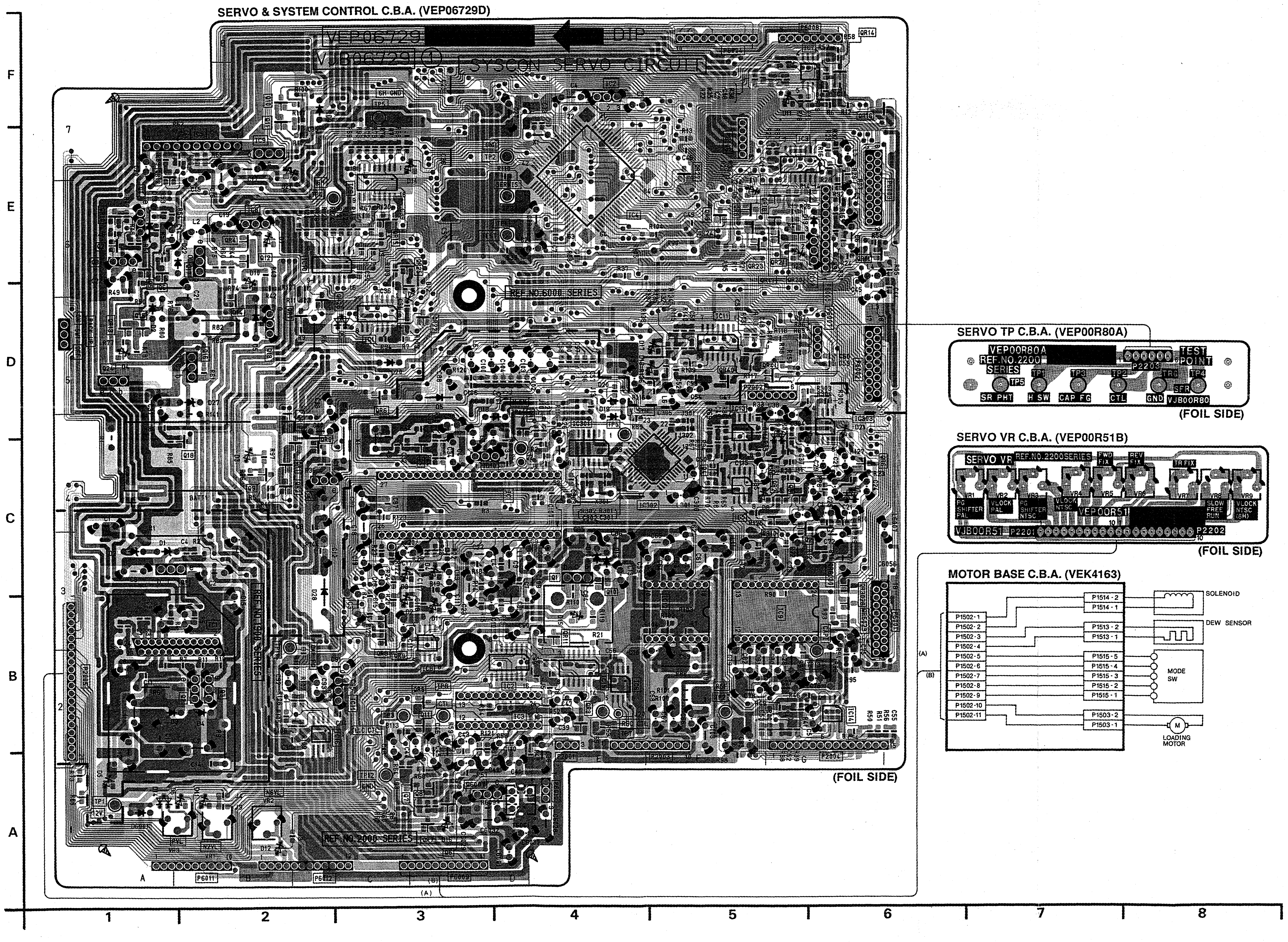
P1003 (TO POWER DETECTION)

3	——	—
2	UNREG 22V	P1202 - 2
1	UNREG 7V	P1202 - 1

P1002 (TO POWER DETECTION)

15	REG 5.1V	P1201 - 15
14	REG 5.1V	P1201 - 14
13	NON SW 5.4V	P1201 - 13
12	REG 12.3V	P1201 - 12
11	REG 12.3V	P1201 - 11
10	GND	P1201 - 10
9	GND	P1201 - 9
8	P.OFF Ⓛ	P1201 - 8
7	UNREG 13.5V	P1201 - 7
6	UNREG −30V	P1201 - 6
5	UNREG 45V	P1201 - 5
4	M.GND	P1201 - 4
3	HEATER (+)	P1201 - 3
2	HEATER (−)	P1201 - 2
1	AC. OUTLET	P1201 - 1

SERVO & SYSTEM CONTROL C.B.A. (VEP06729D), SERVO TP C.B.A. (VEP00R80A), SERVO VR C.B.A. (VEP00R51B) AND MOTOR BASE C.B.A.


SERVO & SYSTEM CONTROL C.B.A. (VEP06729D)
VEP06729
DIP
VJB06729①
SYSCON SERVO CIRCUIT
REF.NO.6000 SERIES
REF.NO.1900 SERIES
REF.NO.2000 SERIES
P6011
P6012
P6003
(FOIL SIDE)
SERVO TP C.B.A. (VEP00R80A)
VEP00R80A
REF.NO.2200 SERIES
TEST POINT
P2203
TP5
SR PHT
TP1
H SW
TP3
CAP FG
TP2
CTL
TP6
GND
TP4
SFR
VJB00R80
(FOIL SIDE)
SERVO VR C.B.A. (VEP00R51B)
SERVO VR
REF.NO.2200SERIES
FWD FIX
REV FIX
TR FIX
VR1
FG SHIFTER PAL
VR2
VLOCK PAL
VR3
FG SHIFTER NTSC
VR4
VLOCK NTSC
VR5
VR6
VR7
VR8
SLOW FREE RUN
VR9
VLOCK NTSC (6H)
VEP00R51
VJB00R51
P2201
P2202
(FOIL SIDE)
MOTOR BASE C.B.A. (VEK4163)
P1502-1
P1502-2
P1502-3
P1502-4
P1502-5
P1502-6
P1502-7
P1502-8
P1502-9
P1502-10
P1502-11
P1514-2
P1514-1
P1513-2
P1513-1
P1515-5
P1515-4
P1515-3
P1515-2
P1515-1
P1503-2
P1503-1
SOLENOID
DEW SENSOR
MODE SW
M
LOADING MOTOR
(A)
(B)
F
E
D
C
B
A
1
2
3
4
5
6
7
8

SERV
Trans
Q19
Q19
Q19
Q20
Q20
Q20
Q20
Q20
Q20
Q20
Q20
Q20
Q20
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Q60
Transi
QR2
QR2
QR2
QR2
QR2
QR2
QR2
QR2
QR2
QR2
QR3
QR6
QR6
QR6
QR6
QR6
QR6
QR6
QR6
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QR6
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QR6
QR6
QR6
QR6
QR6
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QR6
QR6
QR6
QR6
QR6
QR6
QR6
QR6
Integra
IC19
IC20

ADDRES
©...COM
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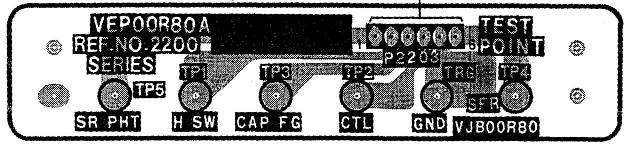
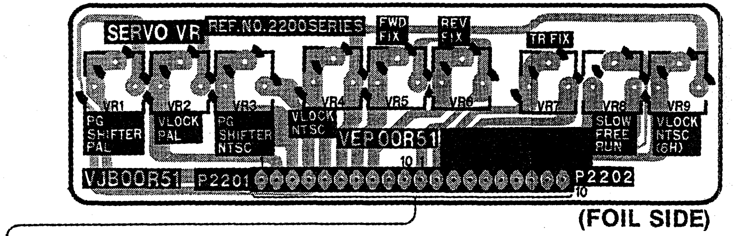
R C.B.A. (VEP00R51B) AND MOTOR BASE C.B.A. (VEK4163)

SERVO TP C.B.A. (VEP00R80A)


VEP00R80A
REF.NO.2200
SERIES
TEST
POINT
P2203
1
5
TP1
TP3
TP2
TRG
TP4
TP5
SFR
SR PHT
H SW
CAP FG
CTL
GND
VJB00R80

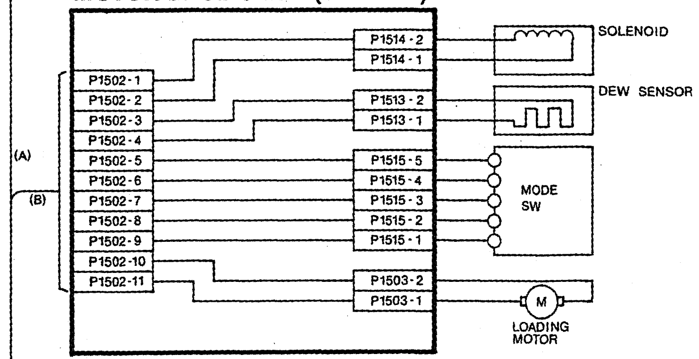
(FOIL SIDE)

SERVO VR C.B.A. (VEP00R51B)


SERVO VR
REF.NO.2200SERIES
FWD FIX
REV FIX
TR FIX
VR1
VR2
VR3
VR4
VR5
VR6
VR7
VR8
VR9
PG SHIFTER PAL
VLOCK PAL
PG SHIFTER NTSC
VLOCK NTSC
VEP00R51
SLOW FREE RUN
VLOCK NTSC (6H)
10
1
VJB00R51
P2201
P2202
10

(FOIL SIDE)

MOTOR BASE C.B.A. (VEK4163)


P1514 - 2
P1514 - 1
SOLENOID
P1513 - 2
P1513 - 1
DEW SENSOR
P1502 - 1
P1502 - 2
P1502 - 3
P1502 - 4
P1502 - 5
P1502 - 6
P1502 - 7
P1502 - 8
P1502 - 9
P1502 - 10
P1502 - 11
(A)
(B)
P1515 - 5
P1515 - 4
P1515 - 3
P1515 - 2
P1515 - 1
MODE SW
P1503 - 2
P1503 - 1
M
LOADING MOTOR

SERVO & SYSTEM CONTROL C.B.A. & MOTOR BASE C.B.A.

Transistor		
Q1901	C-2	Ⓕ
Q1902	B-2	Ⓕ
Q1903	B-2	Ⓕ
Q2001	C-4	Ⓕ
Q2002	C-5	Ⓕ
Q2003	C-5	Ⓕ
Q2004	C-5	Ⓕ
Q2005	C-3	Ⓕ
Q2006	A-3	Ⓕ
Q2007	A-3	Ⓕ
Q2008	A-3	Ⓕ
Q2010	C-4	Ⓕ
Q2011	B-3	Ⓕ
Q6001	C-2	Ⓕ
Q6002	E-1	Ⓕ
Q6003	E-1	Ⓕ
Q6004	E-1	Ⓕ
Q6005	E-1	Ⓕ
Q6006	D-1	Ⓕ
Q6007	A-3	Ⓕ
Q6009	C-2	Ⓕ
Q6010	F-2	Ⓕ
Q6011	F-2	Ⓕ
Q6012	E-2	Ⓕ
Q6013	D-2	Ⓕ
Q6014	D-2	Ⓕ
Q6015	D-1	Ⓕ
Q6016	D-2	Ⓕ
Q6017	E-2	Ⓕ
Q6018	C-2	Ⓕ
Q6024	D-1	Ⓕ

Transistor & Resistor		
QR2001	D-4	Ⓕ
QR2002	C-5	Ⓕ
QR2003	B-4	Ⓕ
QR2005	B-3	Ⓕ
QR2006	C-6	Ⓕ
QR2007	A-3	Ⓕ
QR2008	B-3	Ⓕ
QR2009	B-3	Ⓕ
QR2010	C-5	Ⓕ
QR2011	B-4	Ⓕ
QR3028	B-6	Ⓕ
QR6001	C-2	Ⓕ
QR6002	C-2	Ⓕ
QR6003	E-5	Ⓕ
QR6004	E-2	Ⓕ
QR6006	D-3	Ⓕ
QR6007	D-2	Ⓕ
QR6008	E-5	Ⓕ
QR6009	C-2	Ⓕ
QR6010	E-1	Ⓕ
QR6011	E-6	Ⓕ
QR6012	E-1	Ⓕ
QR6013	D-1	Ⓕ
QR6014	F-6	Ⓕ
QR6015	E-3	Ⓕ
QR6016	F-6	Ⓕ
QR6017	D-5	Ⓕ
QR6018	E-5	Ⓕ
QR6019	D-2	Ⓕ
QR6020	D-5	Ⓕ
QR6021	E-5	Ⓕ
QR6022	D-3	Ⓕ
QR6023	E-5	Ⓕ
QR6024	E-5	Ⓕ
QR6025	E-3	Ⓕ
QR6026	D-3	Ⓕ
QR6027	E-5	Ⓕ
QR6029	B-6	Ⓕ
QR6030	C-6	Ⓕ
QR6040	D-5	Ⓕ
QR6041	D-5	Ⓕ

Integrated Circuit		
IC1901	B-2	Ⓕ
IC2001	C-4	Ⓕ
IC2002	B-4	Ⓕ
IC2003	B-4	Ⓕ
IC2005	C-5	Ⓕ
IC2006	B-4	Ⓕ
IC2008	B-3	Ⓕ
IC2009	B-5	Ⓕ
IC2010	C-3	Ⓕ
IC2011	B-3	Ⓕ
IC2012	B-5	Ⓕ
IC2013	D-5	Ⓕ
IC2014	B-6	Ⓕ
IC2015	B-4	Ⓕ
IC2016	B-3	Ⓕ
IC2301	D-4	Ⓕ
IC2302	C-4	Ⓕ
IC2303	D-6	Ⓕ
IC6001	D-3	Ⓕ
IC6002	F-4	Ⓕ
IC6003	E-5	Ⓕ
IC6004	E-4	Ⓕ
IC6005	E-2	Ⓕ
IC6006	E-3	Ⓕ
IC6007	F-5	Ⓕ
IC6008	E-2	Ⓕ
IC6009	E-2	Ⓕ
IC6010	E-2	Ⓕ
IC6011	D-5	Ⓕ
IC6012	D-5	Ⓕ

Test Point		
TP1901	A-1	Ⓕ
TP2001	D-4	Ⓕ
TP2002	B-5	Ⓕ
TP2003	B-3	Ⓕ
TP2005	D-4	Ⓕ
TP2007	B-4	Ⓕ
TP2008	B-3	Ⓕ
TP2011	B-2	Ⓕ
TP2012	A-3	Ⓕ
TP2013	B-6	Ⓕ
TP6001	E-4	Ⓕ
TP6002	E-3	Ⓕ
TP6003	E-4	Ⓕ
TP6004	E-2	Ⓕ
TP6005	F-3	Ⓕ

Adjustment		
VR2001	A-2	Ⓕ
VR2002	A-2	Ⓕ
VR2003	A-1	Ⓕ

Connector		
P1502	B-7	Ⓕ
P1503	B-7	Ⓕ
P1513	B-7	Ⓕ
P1514	B-7	Ⓕ
P1515	B-7	Ⓕ
P2001	A-4	Ⓕ
P2002	D-5	Ⓕ
P2003	A-5	Ⓕ
P2004	A-6	Ⓕ
P2005	B-1	Ⓕ
P6001	B-6	Ⓕ
P6002	D-6	Ⓕ
P6003	E-6	Ⓕ
P6004	F-5	Ⓕ
P6005	D-6	Ⓕ
P6006	E-5	Ⓕ
P6007	D-6	Ⓕ
P6008	F-5	Ⓕ
P6009	A-3	Ⓕ
P6010	A-4	Ⓕ
P6011	A-2	Ⓕ
P6012	A-2	Ⓕ

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SERVO TP C.B.A.

Test Point		
TP2201	D-7	Ⓕ
TP2202	D-7	Ⓕ
TP2203	D-7	Ⓕ
TP2204	D-7	Ⓕ
TP2205	D-7	Ⓕ
TPG	D-7	Ⓕ
Connector		
P2203	D-7	Ⓕ

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SERVO VR C.B.A.

Adjustment		
VR2201	C-7	Ⓕ
VR2202	C-7	Ⓕ
VR2203	C-7	Ⓕ
VR2204	C-7	Ⓕ
VR2205	C-7	Ⓕ
VR2206	C-7	Ⓕ
VR2207	C-7	Ⓕ
VR2208	C-7	Ⓕ
VR2209	C-7	Ⓕ
Connector		
P2201	C-7	Ⓕ
P2202	C-7	Ⓕ

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SYSTEM CONTROL ICs DC VOLTAGE CHART

REF. NO.	IC6001													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	0	0	5.1	0	5.1	5.1	0	0.1	0	5.1	0.2	5.1	5.1	5.1
REC	0	0	5.1	4.8	5.1	5.1	0	2.3	0	5.1	4.8	5.1	5.1	5.1
F.F.	0	0	5.1	2.1	5.1	3.0	0	0.1	0	5.1	2.1	3.0	5.1	5.1

REF. NO.	IC6002		
MODE	1	2	3
STOP	5.0	5.0	0
REC	5.0	5.0	0
F.F.	5.0	5.0	0

REF. NO.	IC6003													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	4.7	4.7	5.1	0	2.6	0	2.6	0	2.0	5.0	2.1	0	0	0
REC	4.7	4.7	5.1	5.0	2.6	0	2.6	0	2.6	5.0	2.4	0	4.7	4.7
F.F.	2.6	2.6	5.1	2.6	2.3	0	2.3	0	2.3	2.8	2.3	0	2.5	2.5

REF. NO.	IC6004																		
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
STOP	0	5.0	4.7	0	4.9	0	0	0	0	0	0	0	0	0	0	5.0	5.0	5.0	0
REC	0	5.0	4.7	0	4.9	0	0	5.0	5.0	0	0	5.0	5.0	0	0	5.0	5.0	5.0	0
F.F.	0	5.0	4.7	0	4.9	0	0	0	0	0	0	0	0	0	0	5.0	5.0	5.0	0

REF. NO.	IC6004																		
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
STOP	0	2.8	0	0	4.7	4.7	4.4	5.0	0.1	0.1	—	—	0	2.2	2.3	4.9	5.1	4.9	4.8
REC	0	2.8	0	0	4.7	4.7	4.4	4.7	0.1	0.1	—	—	0	2.2	2.3	4.9	5.1	4.9	4.8
F.F.	0	0	0	0	2.5	2.5	4.4	2.3	0.1	0.1	—	—	0	2.2	2.3	4.5	5.1	4.9	4.8

REF. NO.	IC6004																		
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
STOP	1.3	5.1	5.1	5.0	5.0	0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0
REC	1.3	5.1	5.1	0	0	5.0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0
F.F.	1.3	4.9	5.1	5.0	5.0	0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0

REF. NO.	IC6004																		
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
STOP	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	5.0	0	0	5.0
REC	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	0	0	5.0	5.0
F.F.	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	0	0	0	5.0

REF. NO.	IC6004			
MODE	81	82	83	84
STOP	0	0	0.6	0
REC	0	0	0.6	0
F.F.	0	0	0.6	0

REF. NO.	IC6005									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2
REC	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2
F.F.	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2

REF. NO.	IC6006															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0.1	5.1	0.5	5.1	5.0	5.1	5.1	0	1.3	5.1	5.1	1.3	0	4.5	0	5.1
REC	0.1	5.1	0.5	5.1	5.0	5.1	5.1	0	1.3	5.1	5.1	1.3	0	4.5	0	5.1
F.F.	0.1	5.1	0.5	0	5.0	5.1	5.1	0	1.3	5.1	4.9	1.3	1.3	4.5	5.1	5.1

REF. NO.	IC6007										IC6008		
MODE	1	2	3	4	5	6	7	8			1	2	3
STOP	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1			4.8	4.8	0
REC	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1			4.8	4.8	0
F.F.	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1			5.3	5.3	0

REF. NO.	IC6009		
MODE	I	G	O
STOP	13.5	0	12.0
REC	13.5	0	12.0
F.F.	13.5	0	12.0

REF. NO.	IC6010															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	5.1	4.9	4.8	0	5.1
REC	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	5.1	4.9	4.8	0	5.1
F.F.	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	6.1	4.9	4.8	0	5.1

REF. NO.	IC6011													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1
REC	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1
F.F.	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1

REF. NO.	IC6012		
MODE	1	2	3
STOP	5.0	5.0	0
REC	5.0	5.0	0
F.F.	5.0	5.0	0

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MATION
SIDE

A.

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MATION
SIDE

SYSTEM CONTROL ICs DC VOLTAGE CHART

REF. NO.	IC6001													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	0	0	5.1	0	5.1	5.1	0	0.1	0	5.1	0.2	5.1	5.1	5.1
REC	0	0	5.1	4.8	5.1	5.1	0	2.3	0	5.1	4.8	5.1	5.1	5.1
F.F.	0	0	5.1	2.1	5.1	3.0	0	0.1	0	5.1	2.1	3.0	5.1	5.1

REF. NO.	IC6002		
MODE	1	2	3
STOP	5.0	5.0	0
REC	5.0	5.0	0
F.F.	5.0	5.0	0

REF. NO.	IC6003													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	4.7	4.7	5.1	0	2.6	0	2.6	0	2.0	5.0	2.1	0	0	0
REC	4.7	4.7	5.1	5.0	2.6	0	2.6	0	2.6	5.0	2.4	0	4.7	4.7
F.F.	2.6	2.6	5.1	2.6	2.3	0	2.3	0	2.3	2.8	2.3	0	2.5	2.5

REF. NO.	IC6004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	5.0	4.7	0	4.9	0	0	0	0	0	0	0	0	0	0	5.0	5.0	5.0	0	0
REC	0	5.0	4.7	0	4.9	0	0	5.0	5.0	0	0	5.0	5.0	0	0	5.0	5.0	5.0	0	0
F.F.	0	5.0	4.7	0	4.9	0	0	0	0	0	0	0	0	0	0	5.0	5.0	5.0	0	5.1

REF. NO.	IC6004																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	2.8	0	0	4.7	4.7	4.4	5.0	0.1	0.1	—	—	0	2.2	2.3	4.9	5.1	4.9	4.8	0
REC	0	2.8	0	0	4.7	4.7	4.4	4.7	0.1	0.1	—	—	0	2.2	2.3	4.9	5.1	4.9	4.8	0
F.F.	0	0	0	0	2.5	2.5	4.4	2.3	0.1	0.1	—	—	0	2.2	2.3	4.5	5.1	4.9	4.8	1.3

REF. NO.	IC6004																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	1.3	5.1	5.1	5.0	5.0	0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0	0
REC	1.3	5.1	5.1	0	0	5.0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0	0
F.F.	1.3	4.9	5.1	5.0	5.0	0	0	4.6	4.6	4.6	0	4.9	4.8	0.7	4.5	0	0	0	0	0

REF. NO.	IC6004																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	5.0	0	0	5.0	0
REC	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	0	0	5.0	5.0	0
F.F.	0.5	0	1.6	5.1	2.5	0.6	5.0	5.0	0	0	5.0	5.0	5.0	0	5.0	0	0	0	5.0	0

REF. NO.	IC6004			
MODE	81	82	83	84
STOP	0	0	0.6	0
REC	0	0	0.6	0
F.F.	0	0	0.6	0

REF. NO.	IC6005									
MODE	1	2	3	4	5	6	7	8	9	10
STOP	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2
REC	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2
F.F.	0	0.2	0.2	0	0	0	12.3	10.1	12.0	0.2

REF. NO.	IC6006															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	0.1	5.1	0.5	5.1	5.0	5.1	5.1	0	1.3	5.1	5.1	1.3	0	4.5	0	5.1
REC	0.1	5.1	0.5	5.1	5.0	5.1	5.1	0	1.3	5.1	5.1	1.3	0	4.5	0	5.1
F.F.	0.1	5.1	0.5	0	5.0	5.1	5.1	0	1.3	5.1	4.9	1.3	1.3	4.5	5.1	5.1

REF. NO.	IC6007										IC6008		
MODE	1	2	3	4	5	6	7	8			1	2	3
STOP	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1			4.8	4.8	0
REC	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1			4.8	4.8	0
F.F.	0.1	1.2	0.1	0	1.2	4.8	0.1	5.1			5.3	5.3	0

REF. NO.	IC6009		
MODE	I	G	O
STOP	13.5	0	12.0
REC	13.5	0	12.0
F.F.	13.5	0	12.0

REF. NO.	IC6010															
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
STOP	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	5.1	4.9	4.8	0	5.1
REC	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	5.1	4.9	4.8	0	5.1
F.F.	5.0	5.0	5.0	0.9	5.0	0	5.1	0	1.3	4.9	4.9	6.1	4.9	4.8	0	5.1

REF. NO.	IC6011													
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
STOP	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1
REC	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1
F.F.	0.3	0.1	5.0	2.5	0.5	2.3	1.2	2.5	1.2	0	0.5	0	1.2	0.1

REF. NO.	IC6012		
MODE	1	2	3
STOP	5.0	5.0	0
REC	5.0	5.0	0
F.F.	5.0	5.0	0

SYSTEM CONTROL TRs DC VOLTAGE CHART

REF. NO.	Q6001			Q6002			Q6003			Q6004			Q6005			Q6006		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0.7	11.6	0.6	11.1	0	11.6	11.6	0	11.1	0	0	0	0	0	0	0	5.1	0
REC	0.7	11.6	0.6	11.1	0	11.6	11.6	0	11.1	0	0	0	0	0	0	0	5.1	0
F.F.	0.7	11.6	0.6	11.1	0	11.6	11.6	0	11.1	0	0	0	0	0	0	0	5.1	0

REF. NO.	Q6007			Q6009			Q6010			Q6011			Q6012			Q6013		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0.2	0.2	5.1	5.1	4.5	0.6	0.6	1.3	0.6	1.3	0.4	2.0	2.0	2.7	4.8	4.7	4.1
REC	0	11.5	−0.4	5.1	5.1	4.5	0.6	0.6	1.3	0.6	1.3	0.4	2.0	2.0	2.7	4.8	4.7	4.1
F.F.	0	0.2	0.2	5.1	5.1	4.5	0.6	0.6	1.3	0.6	1.3	0.4	0	4.8	0	5.3	−0.1	5.3

REF. NO.	Q6014			Q6015			Q6016			Q6017			Q6018			Q6024		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	0	0.8	0	12.6	0	12.7	1.4	12.6	0	0	0.7	0	5.1	0.2	12.7	13.5	13.1
REC	0	0	0.8	0	12.6	0	12.7	1.4	12.6	0	0	0.7	0	5.1	0.2	12.7	13.5	13.1
F.F.	0	12.6	0	0	12.6	0	12.7	0	12.6	0	0	0	0	5.1	0	12.7	13.5	13.1

REF. NO.	QR6001			QR6002			QR6003			QR6004			QR6006			QR6007		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	12.3	0	0	0	5.0	0	4.6	4.3	4.8	2.0	0	0	11.3	0	0	0.1	2.1
REC	0	0.1	2.7	0	2.7	0	0	4.6	4.3	4.8	2.0	0	0	11.3	0	0	0.1	2.1
F.F.	0	12.3	0	0	0	5.0	0	4.6	4.3	5.3	4.8	5.1	0	11.3	0	0	0.1	2.1

REF. NO.	QR6008			QR6009			QR6010			QR6011			QR6012			QR6013		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.1	5.1	0	5.1	0.6	4.8	0	11.6	0	5.1	0	6.1	0	10.1	0	0	0	11.8
REC	5.1	5.1	0	5.1	0.6	4.8	0	11.6	0	5.1	0	5.1	0	10.1	0	0	0	11.8
F.F.	5.1	5.1	0	5.1	0.6	4.8	0	11.6	0	5.1	0	5.1	0	10.1	0	0	0	11.8

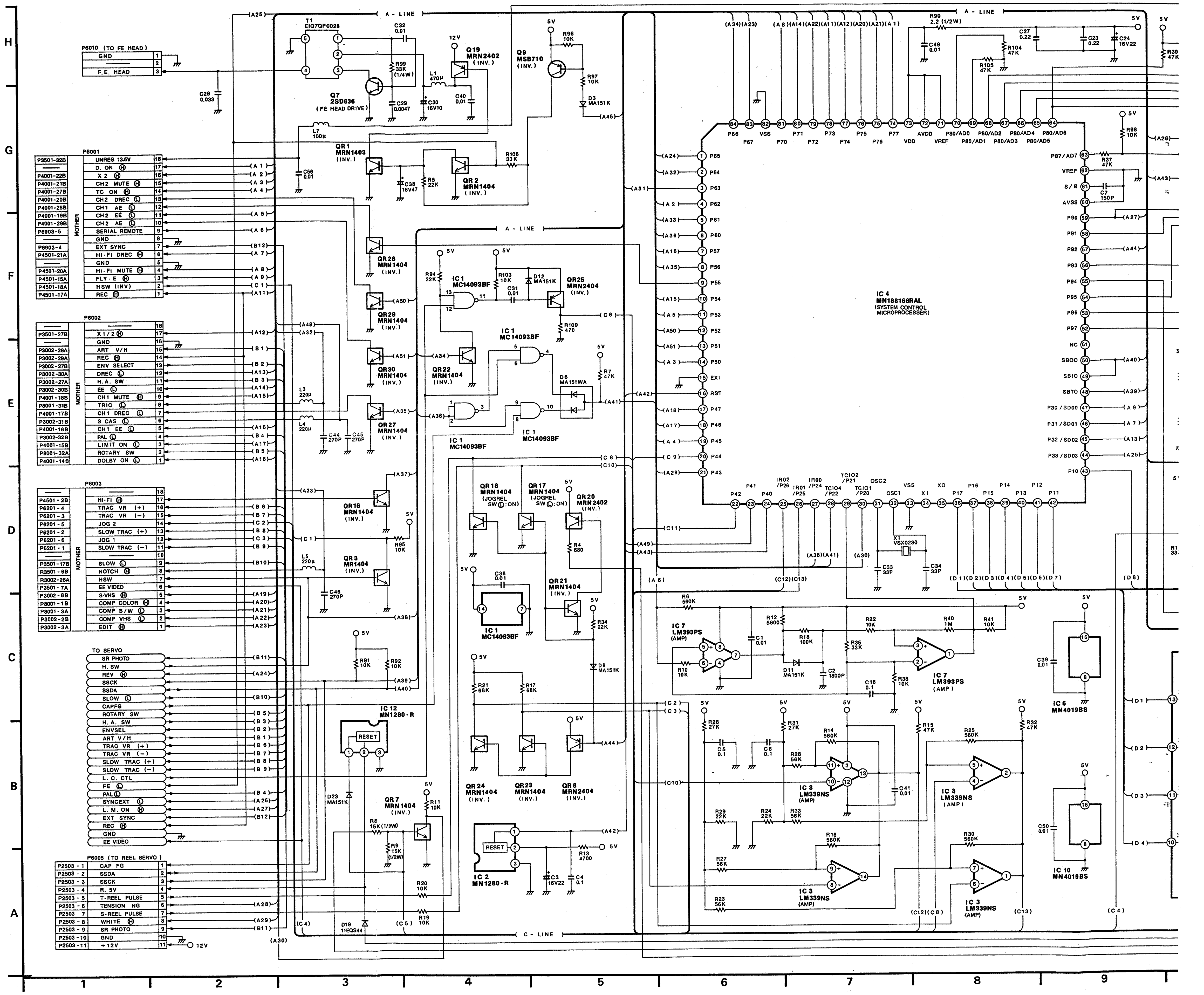
REF. NO.	QR6014			QR6015			QR6016			QR6017			QR6018			QR6019		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	4.8	0. 7	0	1.3	4.8	0	5.0	0	0	5.0	0.6	0	5.0	0.6	12.3	0.3	12.3
REC	0	4.8	0.7	0	1.3	4.8	0	5.0	0	0	5.0	0.6	0	5.0	0.6	12.3	12.1	0.1
F.F.	0	4.8	0.7	0	1.3	4.8	0	5.0	0	0	2.8	0.6	0	2.6	0.6	12.3	0.3	12.3

REF. NO.	QR6020			QR6021			QR6022			QR6023			QR6024			QR6025		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	5.1	0	5.1	0	5.1	0.6	0	5.1	0	0	0	5.1	0	0	5.1	5.1	0	5.1
REC	5.1	0	5.1	0	5.1	0.6	0	5.1	0	0	0	5.1	0	0	5.1	5.1	0	5.1
F.F.	5.1	0	5.1	0	5.1	0.6	0	5.1	0	0	0	5.1	0	0	5.1	5.1	1.9	3.4

REF. NO.	QR6026			QR6027			QR6028			QR6029			QR6030			QR6040		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0	1.3	4.8	0	5.0	0	0	5.0	0	0	5.0	0	0	5.0	0	0	5.1	0.1
REC	0	1.3	4.8	0	0	5.0	0	0	5.0	0	0	5.0	0	0	5.0	0	5.1	0.1
F.F.	0	1.3	4.8	0	5.0	0	0	5.0	0	0	5.0	0	0	5.0	0	0	5.1	0.1

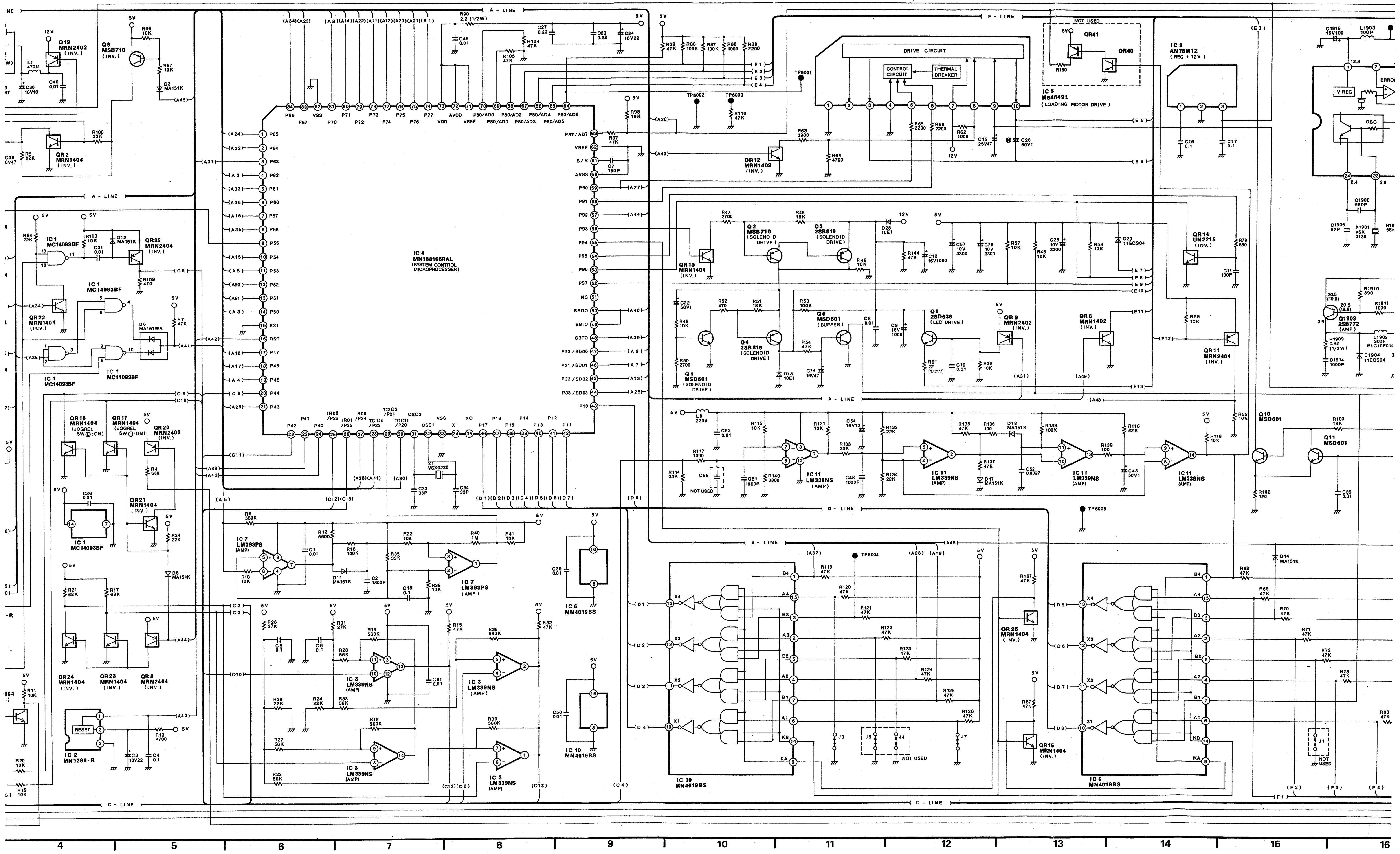
REF. NO.	QR6041		
MODE	E	C	B
STOP	5.1	1.6	5.1
REC	5.1	1.6	5.1
F.F.	5.1	1.6	5.1

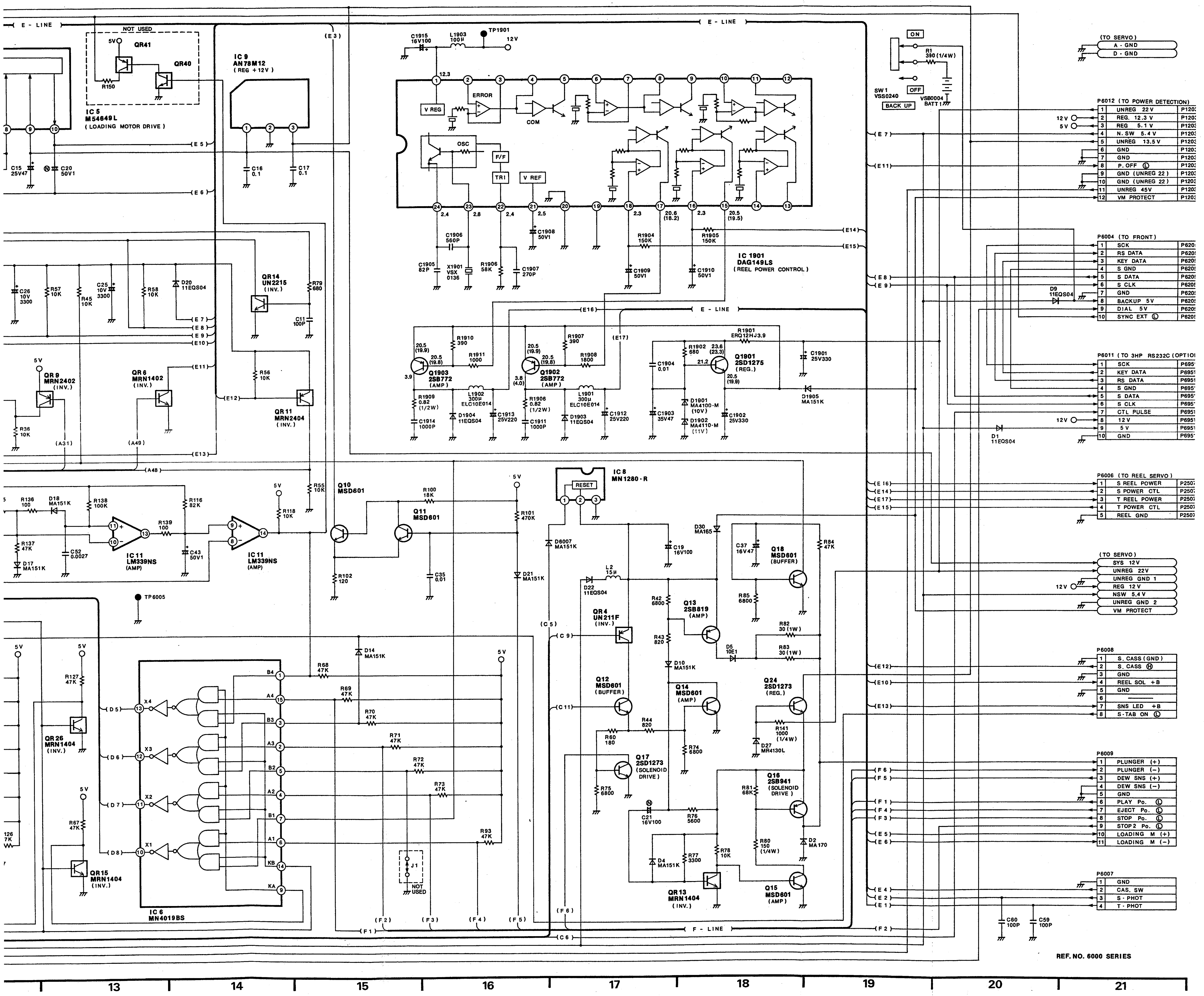
SYSTEM CONTROL SCHEMATIC DIAGRAM



H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
A - LINE
C - LINE
P6010 (TO FE HEAD)
GND
F.E. HEAD
C28 0.033
T1 EIQ7QF0028
C32 0.01
R99 33K (1/4W)
Q7 2SD638 (FE HEAD DRIVE)
C29 0.0047
L1 470μ
C30 16V10
C40 0.01
Q19 MRN2402 (INV.)
Q9 MSB710 (INV.)
R96 10K
R97 10K
D3 MA151K
L7 100μ
C56 0.01
QR1 MRN1403 (INV.)
C38 16V47
R5 22K
QR2 MRN1404 (INV.)
R106 33K
P6001
UNREG 13.5V
D. ON
X 2
CH2 MUTE
TC ON
CH2 DREC
CH1 AE
CH2 EE
CH2 AE
SERIAL REMOTE
GND
EXT SYNC
HI-FI DREC
GND
HI-FI MUTE
FLY-E
HSW (INV)
REC
MOTHER
P6002
X 1/2
GND
ART V/H
REC
ENV SELECT
DREC
H.A. SW
EE
CH1 MUTE
TRIC
CH1 DREC
S CAS
CH1 EE
PAL
LIMIT ON
ROTARY SW
DOLBY ON
P6003
HI-FI
TRAC VR (+)
TRAC VR (−)
JOG 2
SLOW TRAC (+)
JOG 1
SLOW TRAC (−)
SLOW
NOTCH
HSW
EE VIDEO
S-VHS
COMP COLOR
COMP B/W
COMP VHS
EDIT
TO SERVO
SR PHOTO
H. SW
REV
SSCK
SSDA
SLOW
CAPFG
ROTARY SW
H. A. SW
ENVSEL
ART V/H
TRAC VR (+)
TRAC VR (−)
SLOW TRAC (+)
SLOW TRAC (−)
L. C. CTL
FE
PAL
SYNCEXT
L. M. ON
EXT SYNC
REC
GND
EE VIDEO
P6005 (TO REEL SERVO)
CAP FG
SSDA
SSCK
R. 5V
T-REEL PULSE
TENSION NG
S-REEL PULSE
WHITE
SR PHOTO
GND
+12V
QR28 MRN1404 (INV.)
QR29 MRN1404 (INV.)
QR30 MRN1404 (INV.)
QR27 MRN1404 (INV.)
L3 220μ
L4 220μ
C44 270P
C45 270P
QR16 MRN1404 (INV.)
R85 10K
QR3 MR1404 (INV.)
L5 220μ
C46 270P
R91 10K
R92 10K
IC12 MN1280-R
RESET
D23 MA151K
QR7 MRN1404 (INV.)
R6 15K (1/2W)
R9 15K (1/2W)
R11 10K
R20 10K
R19 10K
D19 11EQS44
R94 22K
IC1 MC14093BF
R103 10K
C31 0.01
D12 MA151K
QR25 MRN2404 (INV.)
R109 470
QR22 MRN1404 (INV.)
D6 MA151WA
R7 47K
QR18 MRN1404 (JOGREL SW Ⓛ: ON)
QR17 MRN1404 (JOGREL SW Ⓛ: ON)
QR20 MRN2402 (INV.)
R4 680
C36 0.01
QR21 MRN1404 (INV.)
R34 22K
D8 MA151K
R21 68K
R17 68K
QR24 MRN1404 (INV.)
QR23 MRN1404 (INV.)
QR8 MRN2404 (INV.)
IC2 MN1280-R
C3 16V22
C4 0.1
R13 4700
IC4 MN188166RAL (SYSTEM CONTROL MICROPROCESSER)
R90 2.2 (1/2W)
C49 0.01
R105 47K
R104 47K
C27 0.22
C23 0.22
C24 16V22
R39 47K
R98 10K
R37 47K
C7 150P
X1 VSX0230
C33 33P
C34 33P
R6 560K
IC7 LM393PS (AMP)
R10 10K
R12 5600
C1 0.01
R18 100K
D11 MA151K
C2 1800P
R22 10K
R35 33K
C18 0.1
R38 10K
R40 1M
R41 10K
C39 0.01
IC6 MN4019BS
R28 27K
C5 0.1
R31 27K
C6 0.1
R14 560K
R26 56K
IC3 LM339NS (AMP)
C41 0.01
R29 22K
R24 22K
R33 56K
R15 47K
R25 560K
R32 47K
R16 560K
R27 56K
R23 56K
R30 560K
C50 0.01
IC10 MN4019BS
5V
12V

RAM

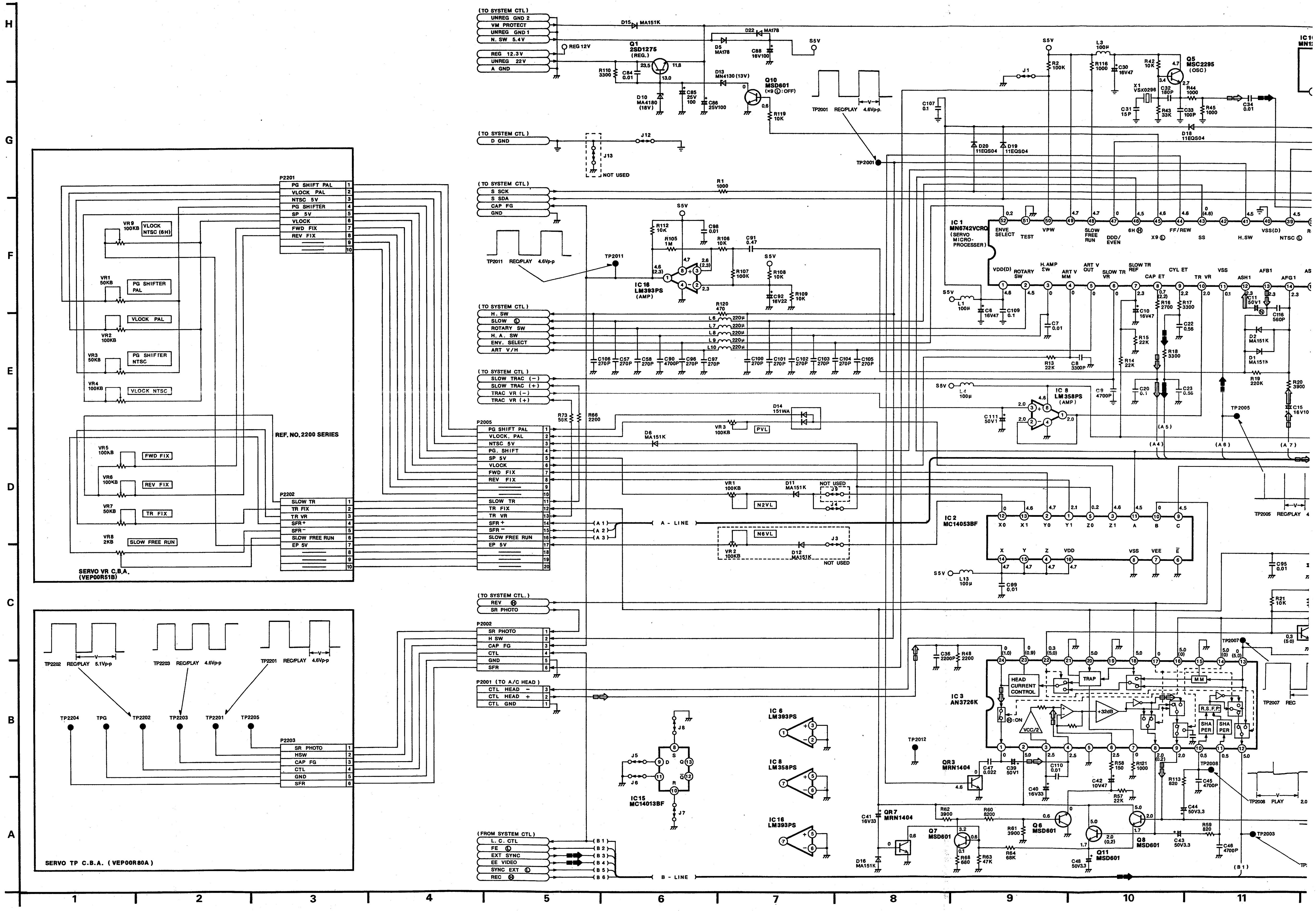

A - LINE
E - LINE
C - LINE
D - LINE
IC 4
MN188166RAL
(SYSTEM CONTROL MICROPROCESSOR)
IC 5
M54649L
(LOADING MOTOR DRIVE)
DRIVE CIRCUIT
CONTROL CIRCUIT
THERMAL BREAKER
NOT USED
QR41
QR40
IC 9
AN78M12
(REG +12V)
V REG
OSC
ERROR
Q19
MRN2402
(INV.)
Q9
MSB710
(INV.)
QR 2
MRN1404
(INV.)
IC 1
MC14093BF
QR25
MRN2404
(INV.)
QR22
MRN1404
(INV.)
D6
MA151WA
QR18
MRN1404
(JOGREL SW ON)
QR17
MRN1404
(JOGREL SW ON)
QR 20
MRN2402
(INV.)
QR21
MRN1404
(INV.)
QR 24
MRN1404
(INV.)
QR23
MRN1404
(INV.)
QR 8
MRN2404
(INV.)
IC 2
MN1280-R
RESET
IC 7
LM393PS
(AMP)
IC 3
LM339NS
(AMP)
IC 6
MN4019BS
IC 10
MN4019BS
QR12
MRN1403
(INV.)
TP6001
TP6002
TP6003
TP6004
TP6005
Q2
MSB710
(SOLENOID DRIVE)
Q3
2SB819
(SOLENOID DRIVE)
QR10
MRN1404
(INV.)
Q4
2SB819
(SOLENOID DRIVE)
Q5
MSD601
(SOLENOID DRIVE)
Q6
MSD601
(BUFFER)
Q1
2SD638
(LED DRIVE)
QR 9
MRN2402
(INV.)
QR 6
MRN1402
(INV.)
QR14
UN2215
(INV.)
QR11
MRN2404
(INV.)
IC 11
LM339NS
(AMP)
Q10
MSD601
Q11
MSD601
QR 26
MRN1404
(INV.)
QR15
MRN1404
(INV.)
Q1903
2SB772
(AMP)
X1
VSX0230
X1901
VSX
J1
J3
J4
J5
J7
NOT USED
4
5
6
7
8
9
10
11
12
13
14
15
16


E - LINE
NOT USED
5V
QR41
QR40
R150
IC 5
M54649L
(LOADING MOTOR DRIVE)
C15
25V47
C20
50V1
E 5
E 6
E 3
IC 9
AN78M12
(REG + 12V)
C16
0.1
C17
0.1
C1915
16V100
L1903
100μ
TP1901
12V
12.3
ERROR
V REG
COM
OSC
F/F
TRI
V REF
2.4
2.8
2.4
2.5
2.3
20.6
(18.2)
2.3
20.5
(19.5)
C1906
560P
C1905
82P
X1901
VSX
0136
R1906
56K
C1907
270P
C1908
50V1
R1904
150K
R1905
150K
C1909
50V1
C1910
50V1
IC 1901
DAG149LS
(REEL POWER CONTROL)
E 14
E 15
E 7
E 11
E 8
E 9
ON
OFF
R1
390 (1/4W)
SW 1
VSS0240
BACK UP
VSB0004
BATT 1
C26
10V
3300
R57
10K
R45
10K
C25
10V
3300
R58
10K
D20
11EQS04
QR14
UN2215
(INV.)
R79
680
C11
100P
E 7
E 8
E 9
E10
E 16
E 17
R1910
390
R1911
1000
R1907
390
R1908
1800
R1901
ERQ12HJ3.9
R1902
680
23.6
(23.3)
21.2
20.5
(19.8)
20.5
(19.9)
Q1901
2SD1275
(REG.)
C1901
25V330
C1904
0.01
20.5
(19.8)
3.9
Q1903
2SB772
(AMP)
3.8
(4.0)
Q1902
2SB772
(AMP)
R1909
0.82
(1/2W)
L1902
300μ
ELC10E014
C1913
25V220
D1904
11EQS04
C1914
1000P
R1906
0.82
(1/2W)
L1901
300μ
ELC10E014
C1912
25V220
D1903
11EQS04
C1911
1000P
C1903
35V47
D1901
MA4100-M
(10V)
D1902
MA4110-M
(11V)
C1902
25V330
D1905
MA151K
5V
QR 9
MRN2402
(INV.)
QR 6
MRN1402
(INV.)
R56
10K
QR 11
MRN2404
(INV.)
E 11
E 12
E 13
R36
10K
A 31
A 49
A 48
R136
100
D18
MA151K
R138
100K
R116
82K
R139
100
R137
47K
D17
MA151K
C52
0.0027
IC 11
LM339NS
(AMP)
C43
50V1
IC 11
LM339NS
(AMP)
R118
10K
R55
10K
Q10
MSD601
R100
18K
Q11
MSD601
R102
120
C35
0.01
R101
470K
D21
MA151K
TP6005
IC 8
MN1280-R
RESET
D6007
MA151K
C19
16V100
D30
MA165
C37
16V47
Q18
MSD601
(BUFFER)
R84
47K
L2
15μ
D22
11EQS04
R42
6800
Q13
2SB819
(AMP)
R85
6800
R82
30 (1W)
R83
30 (1W)
D5
10E1
C 5
C 9
C 11
QR4
UN211F
(INV.)
R43
820
D10
MA151K
Q12
MSD601
(BUFFER)
Q14
MSD601
(AMP)
Q24
2SD1273
(REG.)
R44
820
R60
180
R141
1000
(1/4W)
D27
MR4130L
R74
6800
Q17
2SD1273
(SOLENOID DRIVE)
R75
6800
Q16
2SB941
(SOLENOID DRIVE)
R81
68K
C21
16V100
R76
5600
R80
150
(1/4W)
D2
MA170
D4
MA151K
R77
3300
R78
10K
QR 13
MRN1404
(INV.)
Q15
MSD601
(AMP)
E 16
E 14
E 17
E 15
E 12
E 10
E 13
F 6
F 5
F 1
F 4
F 3
E 5
E 6
E 4
E 2
E 1
F 2
5V
R127
47K
QR 26
MRN1404
(INV.)
R67
47K
QR15
MRN1404
(INV.)
D 5
D 6
D 7
D 8
X4
X3
X2
X1
B4
A4
B3
A3
B2
A2
B1
A1
KB
KA
IC 6
MN4019BS
R68
47K
R69
47K
D14
MA151K
R70
47K
R71
47K
R72
47K
R73
47K
R93
47K
J1
NOT USED
F 2
F 3
F 4
F 5
F 6
F 1
C 6
F - LINE
C60
100P
C59
100P
(TO SERVO)
A - GND
D - GND
P6012 (TO POWER DETECTION)
12 V
5 V
1 UNREG 22 V P1203
2 REG. 12.3 V P1203
3 REG 5.1 V P1203
4 N. SW 5.4 V P1203
5 UNREG 13.5 V P1203
6 GND P1203
7 GND P1203
8 P. OFF Ⓛ P1203
9 GND (UNREG 22) P1203
10 GND (UNREG 22) P1203
11 UNREG 45V P1203
12 VM PROTECT P1203
P6004 (TO FRONT)
1 SCK P620
2 RS DATA P620
3 KEY DATA P620
4 S GND P620
5 S DATA P620
6 S CLK P620
7 GND P620
8 BACKUP 5V P620
9 DIAL 5V P620
10 SYNC EXT Ⓛ P620
D9
11EQS04
P6011 (TO 3HP RS232C (OPTIO
1 SCK P695
2 KEY DATA P6951
3 RS DATA P6951
4 S GND P695
5 S DATA P695
6 S CLK P695
7 CTL PULSE P6951
8 12 V P6951
9 5 V P6951
10 GND P695
12V
D1
11EQS04
P6006 (TO REEL SERVO)
1 S REEL POWER P2507
2 S POWER CTL P2507
3 T REEL POWER P2507
4 T POWER CTL P2507
5 REEL GND P2507
(TO SERVO)
SYS 12V
UNREG 22V
UNREG GND 1
REG 12 V
NSW 5.4 V
UNREG GND 2
VM PROTECT
P6008
1 S. CASS (GND)
2 S. CASS Ⓗ
3 GND
4 REEL SOL +B
5 GND
6 ———
7 SNS LED +B
8 S-TAB ON Ⓛ
P6009
1 PLUNGER (+)
2 PLUNGER (–)
3 DEW SNS (+)
4 DEW SNS (–)
5 GND
6 PLAY Po. Ⓛ
7 EJECT Po. Ⓛ
8 STOP Po. Ⓛ
9 STOP 2 Po. Ⓛ
10 LOADING M (+)
11 LOADING M (–)
P6007
1 GND
2 CAS. SW
3 S - PHOT
4 T - PHOT
13
14
15
16
17
18
19
20
21

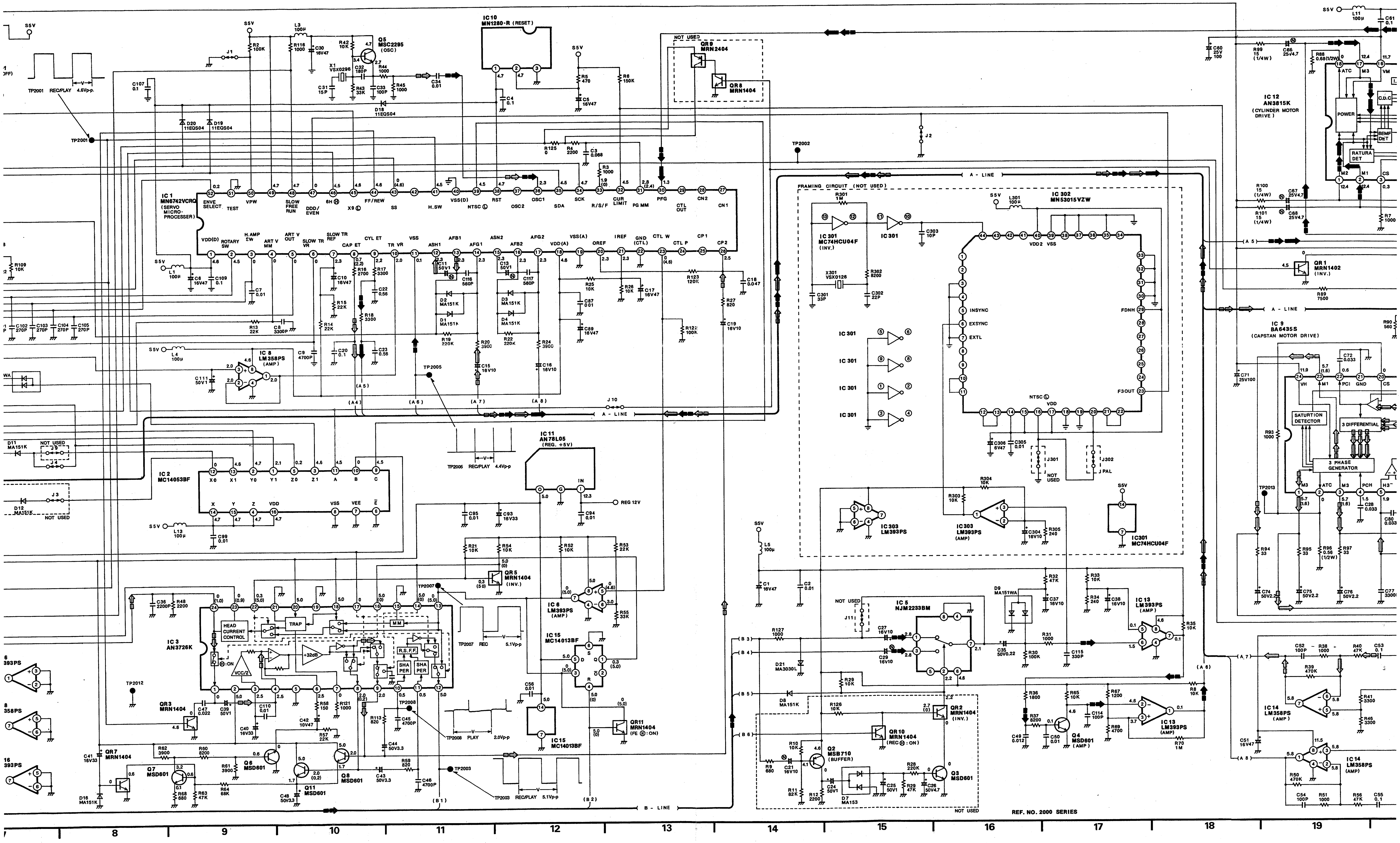
REF. NO. 6000 SERIES

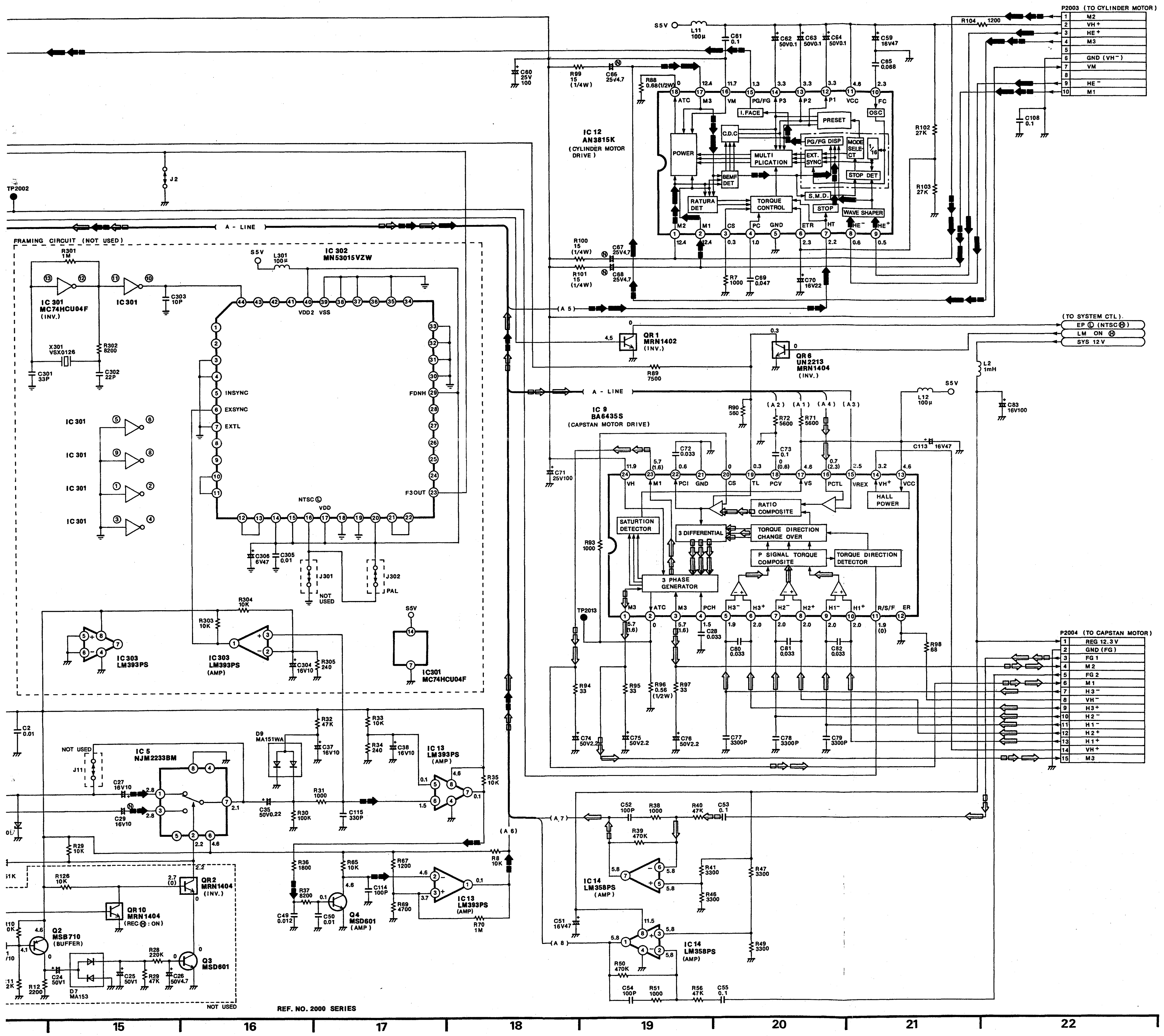
SERVO SCHEMATIC DIAGRAM

CYLINDER SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP
CAPSTAN SERVO SPEED LOOP
CAPSTAN SE


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
(TO SYSTEM CTL)
UNREG GND 2
VM PROTECT
UNREG GND 1
N. SW 5.4V
REG 12.3V
UNREG 22V
A GND
D GND
S SCK
S SDA
CAP FG
GND
H. SW
SLOW Ⓛ
ROTARY SW
H. A. SW
ENV. SELECT
ART V/H
SLOW TRAC (−)
SLOW TRAC (+)
TRAC VR (−)
TRAC VR (+)
(TO SYSTEM CTL.)
REV Ⓗ
SR PHOTO
(FROM SYSTEM CTL)
L. C. CTL
FE Ⓛ
EXT SYNC
EE VIDEO
SYNC EXT Ⓛ
REC Ⓗ
A - LINE
B - LINE
P2201
PG SHIFT PAL
VLOCK PAL
NTSC 5V
PG SHIFTER
SP 5V
VLOCK
FWD FIX
REV FIX
P2202
SLOW TR
TR FIX
TR VR
SFR+
SFR−
SLOW FREE RUN
EP 5V
P2203
SR PHOTO
HSW
CAP FG
CTL
GND
SFR
P2005
P2001 (TO A/C HEAD)
CTL HEAD −
CTL HEAD +
CTL GND
REF. NO. 2200 SERIES
SERVO VR C.B.A. (VEP00R51B)
SERVO TP C.B.A. (VEP00R80A)
VR9 100KB VLOCK NTSC (6H)
VR1 50KB PG SHIFTER PAL
VR2 100KB VLOCK PAL
VR3 50KB PG SHIFTER NTSC
VR4 100KB VLOCK NTSC
VR5 100KB FWD FIX
VR6 100KB REV FIX
VR7 50KB TR FIX
VR8 2KB SLOW FREE RUN
TP2202 REC/PLAY 5.1Vp-p
TP2203 REC/PLAY 4.6Vp-p
TP2201 REC/PLAY 4.6Vp-p
TP2204
TPG
TP2202
TP2203
TP2201
TP2205
Q1 2SD1275 (REG.)
Q10 MSD601 (X9 Ⓛ:OFF)
D15 MA151K
D22 MA178
D5 MA178
D13 MN4130 (13V)
D10 MA4180 (18V)
C88 16V100
C85 25V 100
C86 25V100
R110 3300
C84 0.01
R119 10K
REG 12V
S5V
J12
J13 NOT USED
TP2001 REC/PLAY 4.6Vp-p
TP2011 REC/PLAY 4.6Vp-p
IC16 LM393PS (AMP)
R112 10K
R105 1M
R106 10K
C91 0.47
C98 0.01
R107 100K
R108 10K
C92 16V22
R109 10K
R1 1000
R120 470
L6 220µ
L7 220µ
L8 220µ
L9 220µ
L10 220µ
C106 270P
C57 270P
C58 270P
C90 4700P
C96 270P
C97 270P
C100 270P
C101 270P
C102 270P
C103 270P
C104 270P
C105 270P
R73 56K
R66 2200
D14 151WA
D6 MA151K
VR3 100KB PVL
VR1 100KB N2VL
D11 MA151K
J4 NOT USED
VR2 100KB N6VL
D12 MA151K
J3 NOT USED
IC15 MC14013BF
IC6 LM393PS
IC8 LM358PS
IC16 LM393PS
J5
J6
J7
J8
IC1 MN6742VCRQ (SERVO MICRO-PROCESSER)
ENVE SELECT
TEST
VPW
SLOW FREE RUN
DDD/EVEN
6H Ⓗ
X9 Ⓛ
FF/REW
SS
H.SW
VSS(D)
NTSC Ⓛ
VDD(D)
ROTARY SW
H.AMP SW
ART V MM
ART V OUT
SLOW TR VR
SLOW TR REF
CAP ET
CYL ET
TR VR
VSS
ASH1
AFB1
AFG1
C107 0.1
D20 11EQS04
D19 11EQS04
D18 11EQS04
J1
L3 100µ
R2 100K
R116 1000
C30 16V47
R42 10K
Q5 MSC2295 (OSC)
X1 VSX0296
C32 180P
C31 15P
R43 33K
C33 100P
R44 1000
R45 1000
C34 0.01
L1 100µ
C6 16V47
C109 0.1
C7 0.01
C10 16V47
R16 2700
R17 3300
C22 0.56
R15 22K
R18 3300
R13 22K
C8 3300P
R14 22K
C20 0.1
C23 0.56
C11 50V1
C116 560P
D2 MA151K
D1 MA151K
R19 220K
R20 3900
C15 16V10
TP2005
TP2005 REC/PLAY
L4 100µ
IC8 LM358PS (AMP)
C111 50V1
C9 4700P
(A 4)
(A 5)
(A 6)
(A 7)
IC2 MC14053BF
X0
X1
Y0
Y1
Z0
Z1
A
B
C
X
Y
Z
VDD
VSS
VEE
E
L13 100µ
C99 0.01
C95 0.01
R21 10K
IC3 AN3726K
HEAD CURRENT CONTROL
TRAP
MM
+32dB
VCC/2
R.S.F.F.
SHA PER
Ⓗ:ON
C36 2200P
R48 2200
QR3 MRN1404
C47 0.022
C39 50V1
C110 0.01
C40 16V33
R58 150
R121 1000
C42 10V47
R57 22K
R113 820
C45 4700P
C44 50V3.3
TP2008
TP2008 PLAY
TP2007
TP2007 REC
TP2012
QR7 MRN1404
C41 16V33
D16 MA151K
Q7 MSD601
R62 3900
R60 8200
R61 3900
Q6 MSD601
R64 68K
R68 680
R63 47K
Q11 MSD601
Q8 MSD601
C48 50V33
C43 50V3.3
R59 820
C46 4700P
TP2003
(B 1)
(B 2)
(B 3)
(B 4)
(B 5)
(B 6)

HASE LOOP ⇦ CAPSTAN SERVO SPEED LOOP ⇦ CAPSTAN SERVO PHASE LOOP


TP2001 REC/PLAY 4.6Vp-p
S5V
IC 1 MN6742VCRQ (SERVO MICRO-PROCESSOR)
ENVE SELECT
TEST
VPW
SLOW FREE RUN
DDD/EVEN
6H
FF/REW
X9
SS
H.SW
VSS(D)
NTSC
RST
OSC2
OSC1
SDA
SCK
R/S/F
CUR LIMIT
PG MM
PFG
CTL OUT
CN2
CN1
VDD(D)
ROTARY SW
H.AMP SW
ART V MM
ART V OUT
SLOW TR VR
SLOW TR REF
CAP ET
CYL ET
TR VR
VSS
ASH1
AFB1
AFG1
ASN2
AFB2
AFG2
VDD(A)
VSS(A)
OREF
IREF
GND (CTL)
CTL W
CTL P
CP1
CP2
IC10 MN1280-R (RESET)
Q5 MSC2295 (OSC)
X1 VSX0296
QR9 MRN2404
QR8 MRN1404
NOT USED
D20 11EQS04
D19 11EQS04
D18 11EQS04
J1
J2
TP2002
IC 8 LM358PS (AMP)
TP2005
TP2005 REC/PLAY 4.4Vp-p
J10
A - LINE
IC 2 MC14053BF
X0 X1 Y0 Y1 Z0 Z1 A B C
X Y Z VDD VSS VEE
J3
J4
D11 MA151K
D12 MA151K
IC 11 AN78L05 (REG. +5V)
REG 12V
QR5 MRN1404 (INV.)
IC 6 LM393PS (AMP)
IC 15 MC14013BF
QR11 MRN1404 (FE Ⓗ : ON)
IC 3 AN3726K
HEAD CURRENT CONTROL
TRAP
MM
R.S.F.F.
SHA PER
VCC/2
+32dB
TP2007
TP2007 REC 5.1Vp-p
TP2008
TP2008 PLAY 2.0Vp-p
TP2003
TP2003 REC/PLAY 5.1Vp-p
TP2012
QR3 MRN1404
QR7 MRN1404
Q7 MSD601
Q6 MSD601
Q8 MSD601
Q11 MSD601
D16 MA151K
B - LINE
FRAMING CIRCUIT (NOT USED)
IC 301 MC74HCU04F (INV.)
X301 VSX0126
IC 302 MN53015VZW
INSYNC
EXSYNC
EXTL
FDNH
F3OUT
NTSC
VDD
VDD2
J301 NOT USED
J302 PAL
IC303 LM393PS
IC303 LM393PS (AMP)
IC301 MC74HCU04F
IC 5 NJM2233BM
J11 NOT USED
D21 MA3030L
D8 MA151K
D9 MA151WA
D7 MA153
Q2 MSB710 (BUFFER)
QR10 MRN1404 (REC Ⓗ : ON)
QR2 MRN1404 (INV.)
Q3 MSD601
Q4 MSD601 (AMP)
IC 13 LM393PS (AMP)
NOT USED
REF. NO. 2000 SERIES
IC 12 AN3815K (CYLINDER MOTOR DRIVE)
POWER
C.D.C
BEMF DET
RATURA DET
ATC M3 VM M2 M1 CS
QR 1 MRN1402 (INV.)
IC 9 BA6435S (CAPSTAN MOTOR DRIVE)
VH M1 PCI GND CS
SATURTION DETECTOR
3 DIFFERENTIAL
3 PHASE GENERATOR
ATC M3 PCH
TP2013
IC 14 LM358PS (AMP)
8
9
10
11
12
13
14
15
16
17
18
19

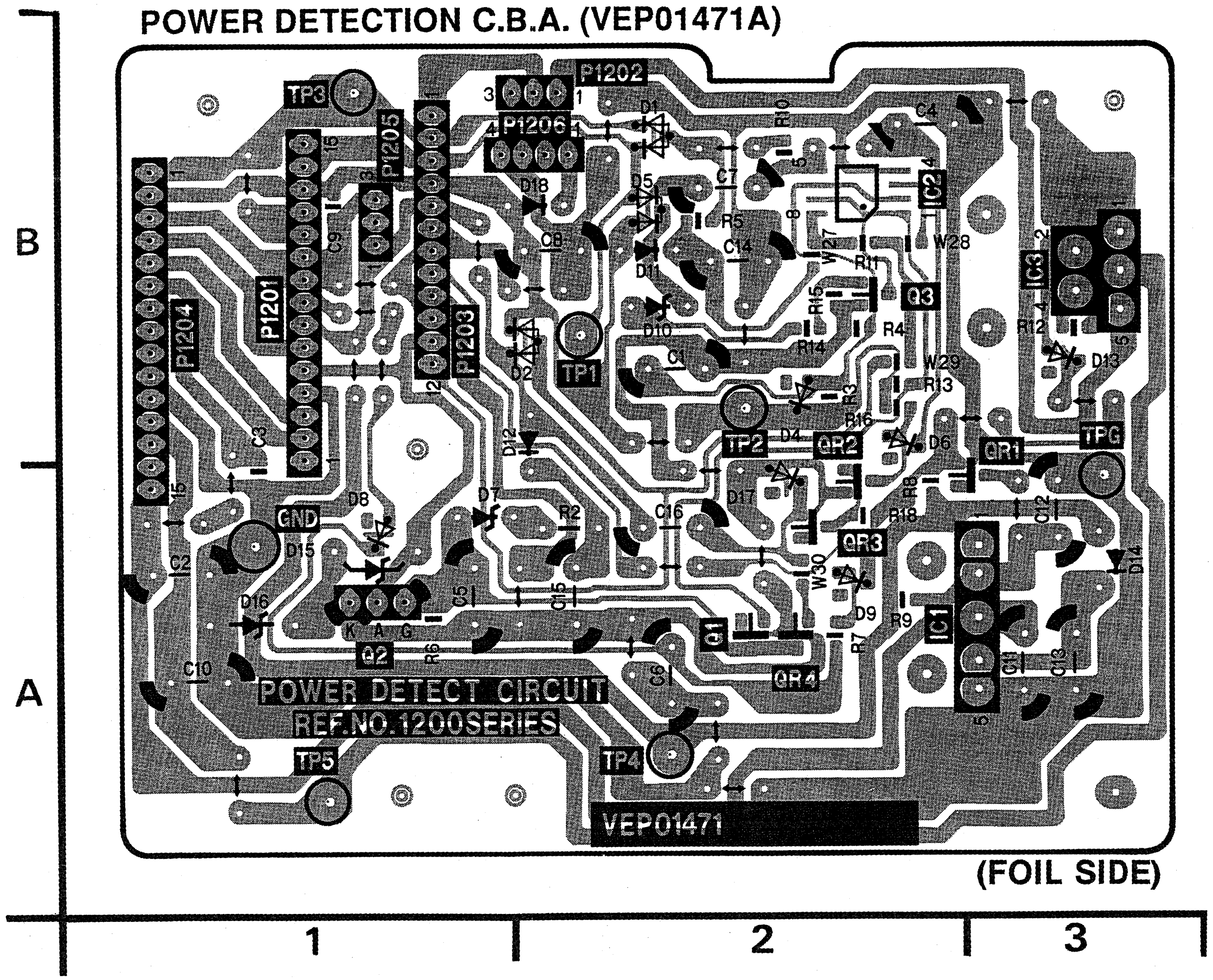

IC 12
AN3815K
(CYLINDER MOTOR DRIVE)
P2003 (TO CYLINDER MOTOR)
M2
VH+
HE+
M3
GND (VH−)
VM
HE−
M1
S5V
L11 100μ
R104 1200
POWER
C.D.C
MULTI PLICATION
BEMF DET
RATURA DET
TORQUE CONTROL
I. FACE
PRESET
PG/FG DISP
EXT. SYNC
MODE SELECT
STOP DET
S.M.D.
STOP
WAVE SHAPER
OSC
A - LINE
FRAMING CIRCUIT (NOT USED)
IC 302
MN53015VZW
IC 301
MC74HCU04F
(INV.)
X301
VSX0126
INSYNC
EXSYNC
EXTL
FDNH
F3OUT
NTSC
VDD
VDD2
VSS
J301
NOT USED
J302
PAL
IC 303
LM393PS
(AMP)
(A 5)
QR 1
MRN1402
(INV.)
QR 6
UN2213
MRN1404
(INV.)
(TO SYSTEM CTL)
EP Ⓛ (NTSC Ⓗ)
LM ON Ⓗ
SYS 12 V
L2 1mH
IC 9
BA6435S
(CAPSTAN MOTOR DRIVE)
SATURTION DETECTOR
3 DIFFERENTIAL
RATIO COMPOSITE
TORQUE DIRECTION CHANGE OVER
P SIGNAL TORQUE COMPOSITE
TORQUE DIRECTION DETECTOR
3 PHASE GENERATOR
HALL POWER
TP2013
TP2002
J2
P2004 (TO CAPSTAN MOTOR)
REG 12.3 V
GND (FG)
FG 1
M 2
FG 2
M 1
H 3−
VH−
H 3+
H 2−
H 1−
H 2+
H 1+
VH+
M 3
IC 5
NJM2233BM
D9
MA151WA
IC 13
LM393PS
(AMP)
NOT USED
J111
QR2
MRN1404
(INV.)
QR10
MRN1404
(REC Ⓗ : ON)
Q2
MSB710
(BUFFER)
Q3
MSD601
Q4
MSD601
(AMP)
D7
MA153
(A 6)
(A 7)
(A 8)
IC 14
LM358PS
(AMP)
NOT USED
REF. NO. 2000 SERIES
15
16
17
18
19
20
21
22

POWER DET C.B.A.	
Transistor	
Q1201	A-2 Ⓕ
Q1202	A-1 Ⓕ
Q1203	B-2 Ⓕ
Transistor & Resistor	
QR1201	B-3 Ⓕ
QR1202	B-2 Ⓕ
QR1203	A-2 Ⓕ
QR1204	A-2 Ⓕ
Integrated Circuit	
IC1201	A-2 Ⓕ
IC1202	B-2 Ⓕ
IC1203	B-3 Ⓕ
Test Point	
TP1201	B-2 Ⓕ
TP1202	B-2 Ⓕ
TP1203	B-1 Ⓕ
TP1204	A-2 Ⓕ
TP1205	A-1 Ⓕ
TPG	B-3 Ⓕ
Connector	
P1201	B-1 Ⓕ
P1202	B-2 Ⓕ
P1203	B-1 Ⓕ
P1204	B-1 Ⓕ
P1205	B-1 Ⓕ
P1206	B-2 Ⓕ

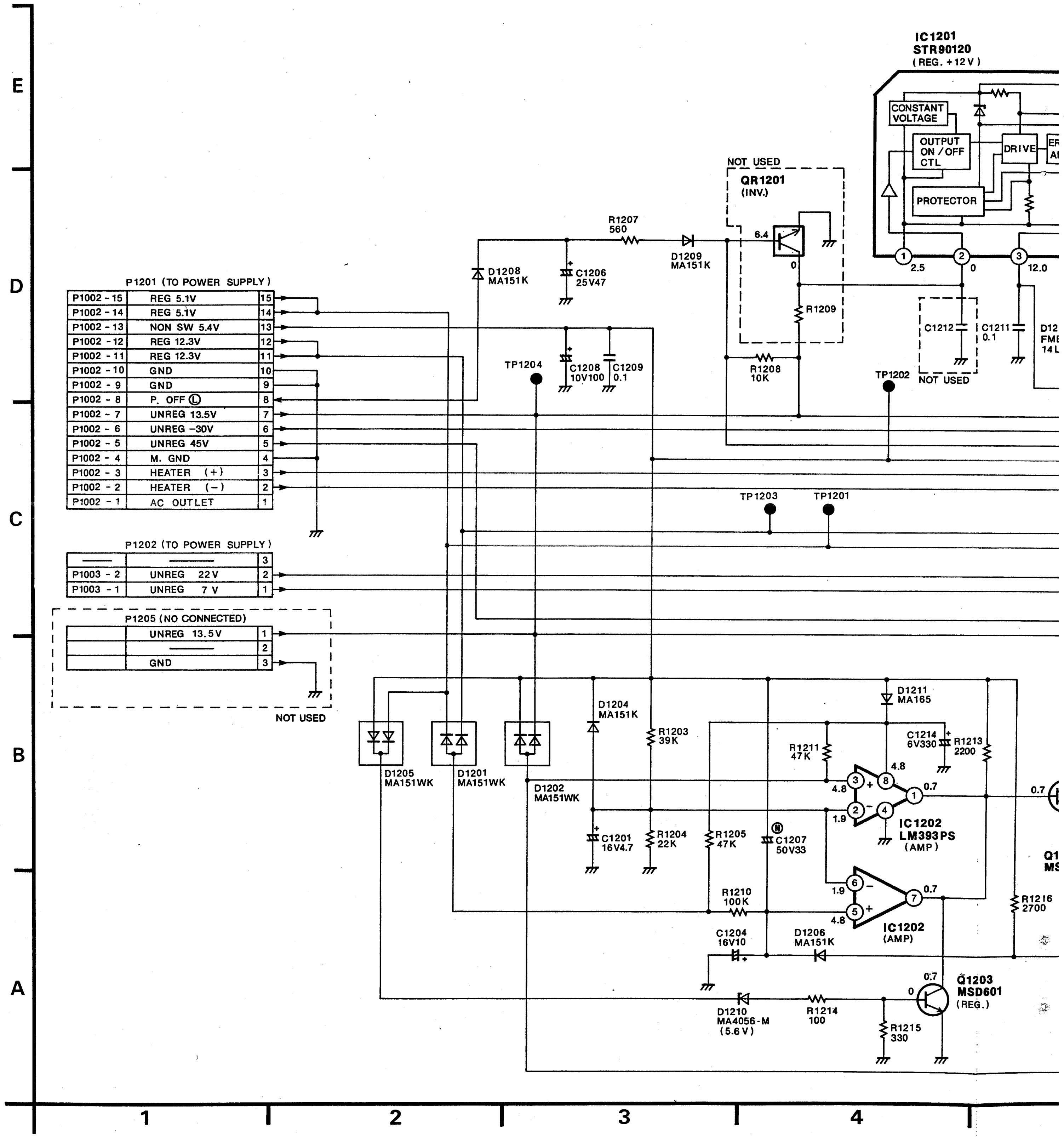
ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

POWER DETECTION C.B.A. (VEP01471A)

POWER DETECTION SCHEMATIC DIAGRAM

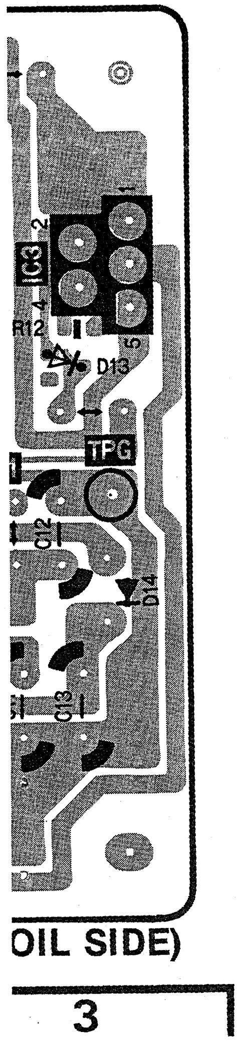


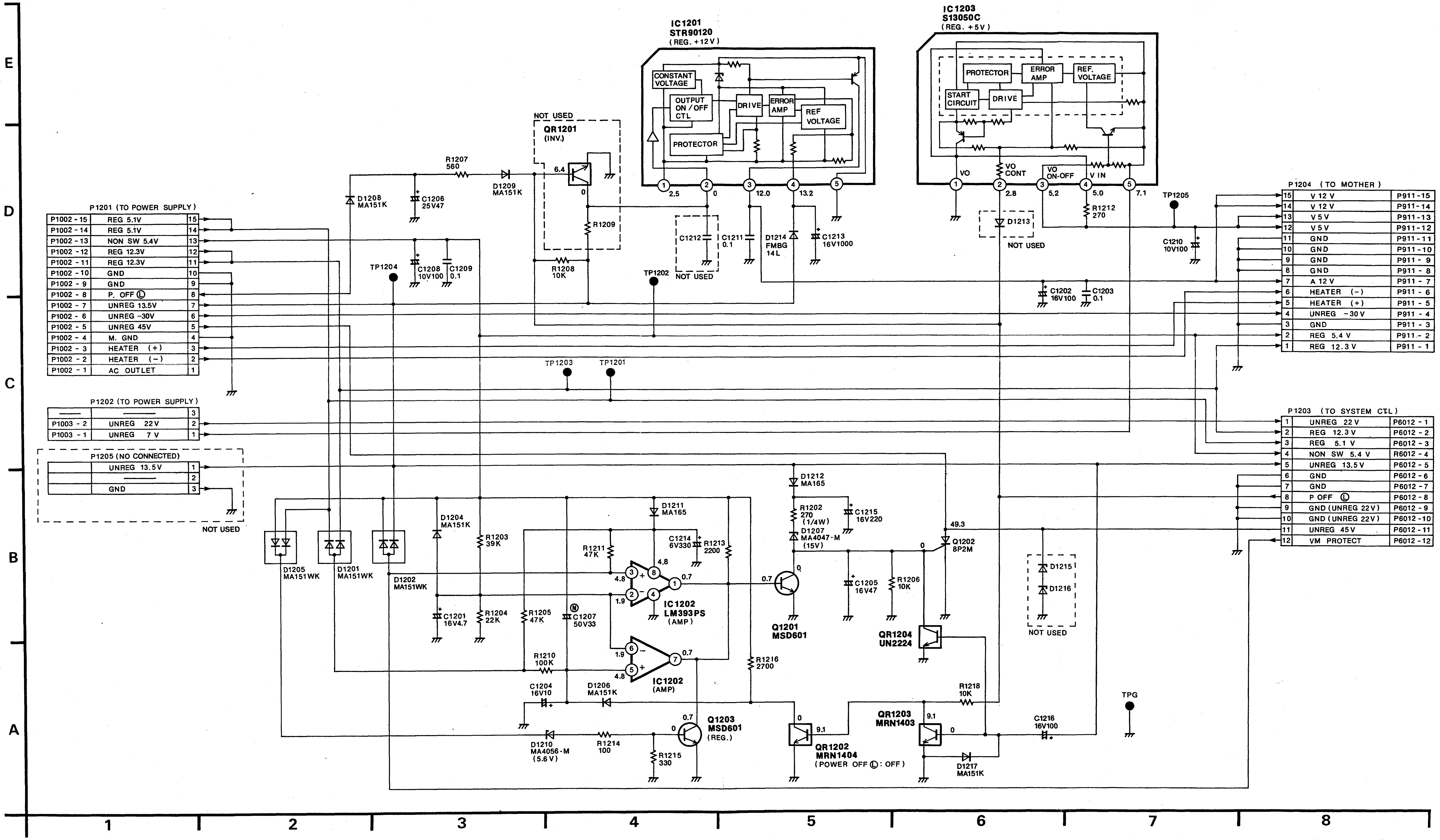
POWER DETECTION C.B.A. (VEP01471A)
B
A
1
2
3
TP3
P1205
P1202
P1206
P1204
P1201
P1203
D1
D18
D5
D11
D10
D2
TP1
C7
C8
C14
C1
R5
R10
C4
IC2
W27
W28
R11
R15
Q3
R4
R14
R3
W29
R13
R16
IC3
R12
D13
TPG
QR1
D6
R8
R18
QR2
TP2
D4
D17
C16
QR3
W30
D9
R7
R9
IC1
C12
D14
C11
C13
C3
C9
GND
D15
D8
D16
D7
D12
R2
C2
C5
C15
R6
Q2
K A G
Q1
QR4
C6
C10
POWER DETECT CIRCUIT
REF.NO.1200SERIES
TP5
TP4
VEP01471
(FOIL SIDE)



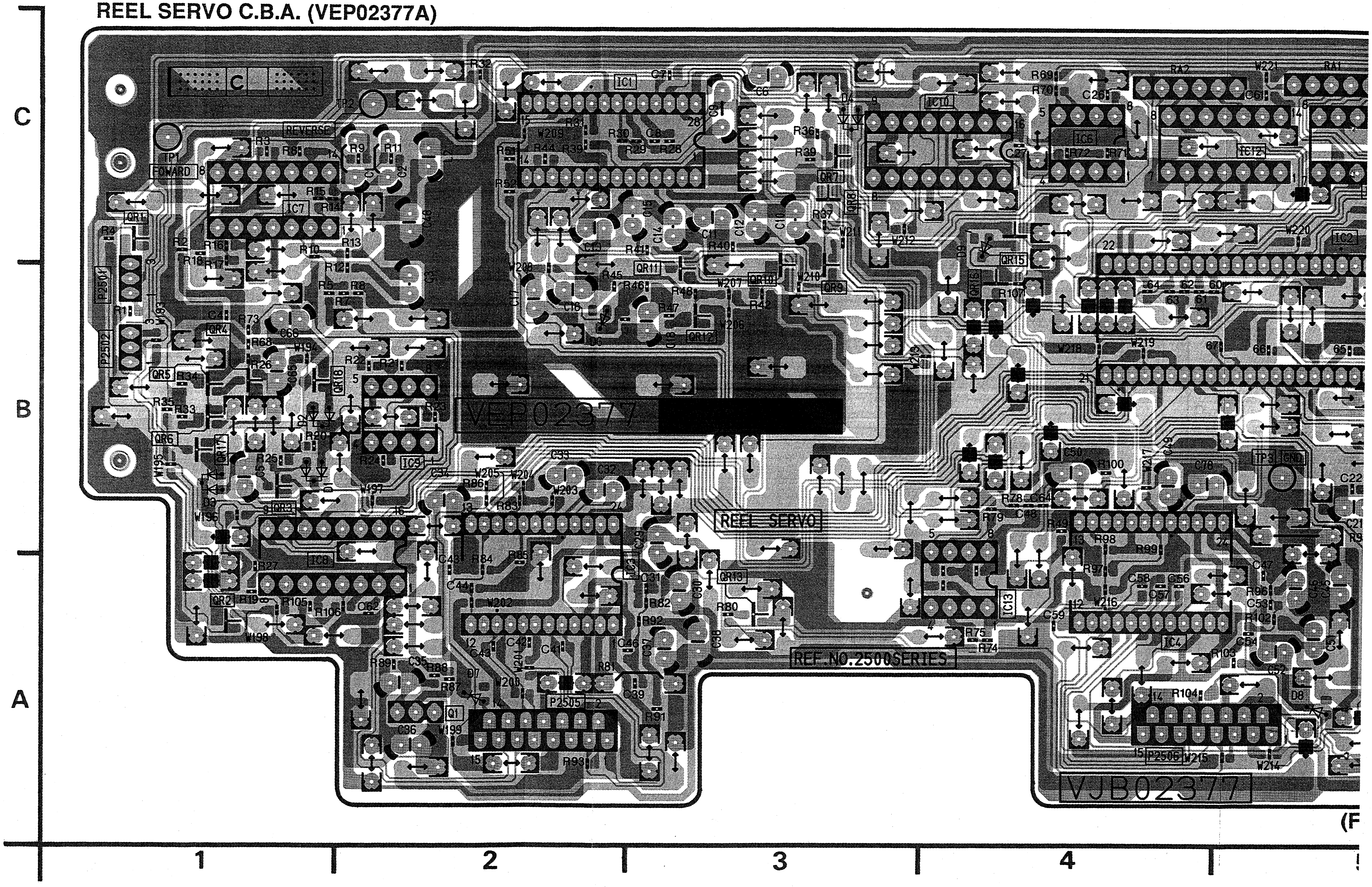
E
D
C
B
A
1
2
3
4
IC1201
STR90120
(REG. +12V)
CONSTANT VOLTAGE
OUTPUT ON / OFF CTL
DRIVE
PROTECTOR
NOT USED
QR1201
(INV.)
6.4
0
R1209
R1207
560
D1209
MA151K
D1208
MA151K
C1206
25V47
C1208
10V100
C1209
0.1
TP1204
R1208
10K
TP1202
C1212
C1211
0.1
NOT USED
2.5
0
12.0
P1201 (TO POWER SUPPLY)
P1002 - 15 REG 5.1V 15
P1002 - 14 REG 5.1V 14
P1002 - 13 NON SW 5.4V 13
P1002 - 12 REG 12.3V 12
P1002 - 11 REG 12.3V 11
P1002 - 10 GND 10
P1002 - 9 GND 9
P1002 - 8 P. OFF Ⓛ 8
P1002 - 7 UNREG 13.5V 7
P1002 - 6 UNREG -30V 6
P1002 - 5 UNREG 45V 5
P1002 - 4 M. GND 4
P1002 - 3 HEATER (+) 3
P1002 - 2 HEATER (−) 2
P1002 - 1 AC OUTLET 1
TP1203
TP1201
P1202 (TO POWER SUPPLY)
3
P1003 - 2 UNREG 22V 2
P1003 - 1 UNREG 7V 1
P1205 (NO CONNECTED)
UNREG 13.5V 1
2
GND 3
NOT USED
D1205
MA151WK
D1201
MA151WK
D1202
MA151WK
D1204
MA151K
R1203
39K
C1201
16V4.7
R1204
22K
R1205
47K
C1207
50V33
R1211
47K
D1211
MA165
C1214
6V330
R1213
2200
4.8
0.7
1.9
IC1202
LM393PS
(AMP)
R1210
100K
C1204
16V10
D1206
MA151K
IC1202
(AMP)
R1216
2700
D1210
MA4056-M
(5.6V)
R1214
100
R1215
330
Q1203
MSD601
(REG.)

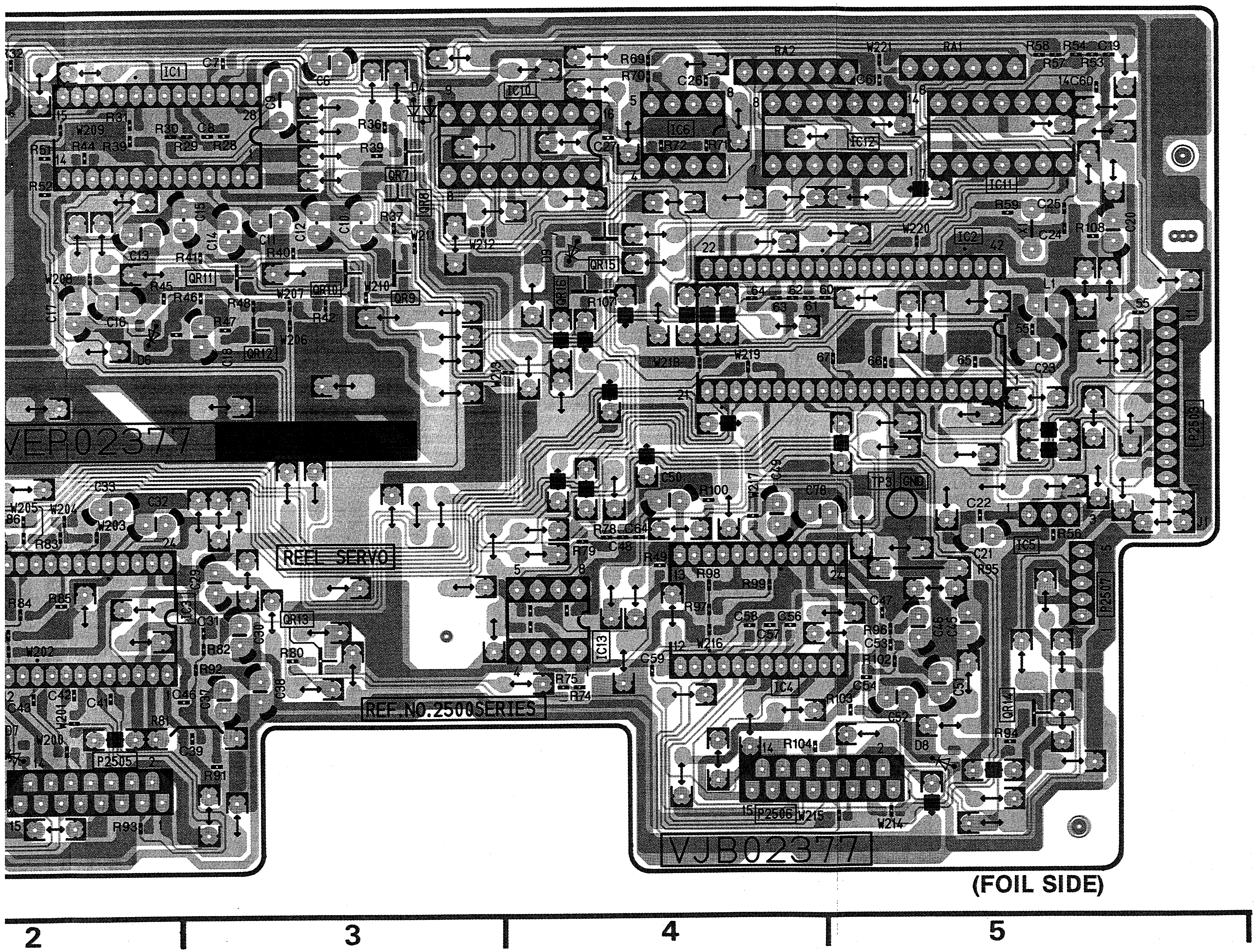
POWER DETECTION SCHEMATIC DIAGRAM


IC3
R12
D13
TPG
C12
D14
C13
OIL SIDE)
3


E
D
C
B
A
1
2
3
4
5
6
7
8
IC1201
STR90120
(REG. +12V)
CONSTANT VOLTAGE
OUTPUT ON / OFF CTL
DRIVE
ERROR AMP
REF VOLTAGE
PROTECTOR
2.5
0
12.0
13.2
IC1203
S13050C
(REG. +5V)
PROTECTOR
ERROR AMP
REF. VOLTAGE
START CIRCUIT
DRIVE
VO
VO CONT
VO ON-OFF
V IN
2.8
5.2
5.0
7.1
NOT USED
QR1201
(INV.)
6.4
0
R1209
R1207
560
D1209
MA151K
D1208
MA151K
C1206
25V47
C1208
10V100
C1209
0.1
R1208
10K
TP1204
TP1202
C1212
C1211
0.1
D1214
FMBG
14L
C1213
16V1000
NOT USED
D1213
NOT USED
R1212
270
TP1205
C1210
10V100
C1202
16V100
C1203
0.1
TP1203
TP1201
P1201 (TO POWER SUPPLY)
P1002 - 15 | REG 5.1V | 15
P1002 - 14 | REG 5.1V | 14
P1002 - 13 | NON SW 5.4V | 13
P1002 - 12 | REG 12.3V | 12
P1002 - 11 | REG 12.3V | 11
P1002 - 10 | GND | 10
P1002 - 9 | GND | 9
P1002 - 8 | P. OFF Ⓛ | 8
P1002 - 7 | UNREG 13.5V | 7
P1002 - 6 | UNREG -30V | 6
P1002 - 5 | UNREG 45V | 5
P1002 - 4 | M. GND | 4
P1002 - 3 | HEATER (+) | 3
P1002 - 2 | HEATER (-) | 2
P1002 - 1 | AC OUTLET | 1
P1202 (TO POWER SUPPLY)
3
P1003 - 2 | UNREG 22V | 2
P1003 - 1 | UNREG 7 V | 1
P1205 (NO CONNECTED)
UNREG 13.5V | 1
2
GND | 3
NOT USED
P1204 (TO MOTHER)
15 | V 12 V | P911-15
14 | V 12 V | P911-14
13 | V 5 V | P911-13
12 | V 5 V | P911-12
11 | GND | P911-11
10 | GND | P911-10
9 | GND | P911- 9
8 | GND | P911- 8
7 | A 12 V | P911- 7
6 | HEATER (-) | P911- 6
5 | HEATER (+) | P911- 5
4 | UNREG -30 V | P911- 4
3 | GND | P911- 3
2 | REG 5.4 V | P911- 2
1 | REG 12.3 V | P911- 1
P1203 (TO SYSTEM CTL)
1 | UNREG 22 V | P6012 - 1
2 | REG 12.3 V | P6012 - 2
3 | REG 5.1 V | P6012 - 3
4 | NON SW 5.4 V | R6012 - 4
5 | UNREG 13.5 V | P6012 - 5
6 | GND | P6012 - 6
7 | GND | P6012 - 7
8 | P OFF Ⓛ | P6012 - 8
9 | GND (UNREG 22 V) | P6012 - 9
10 | GND (UNREG 22 V) | P6012 - 10
11 | UNREG 45 V | P6012 - 11
12 | VM PROTECT | P6012 - 12
D1205
MA151WK
D1201
MA151WK
D1202
MA151WK
D1204
MA151K
R1203
39K
C1201
16V4.7
R1204
22K
R1205
47K
C1207
50V33
R1211
47K
D1211
MA165
C1214
6V330
R1213
2200
4.8
8
4.8
1.9
0.7
IC1202
LM393PS
(AMP)
1.9
4.8
0.7
IC1202
(AMP)
R1210
100K
C1204
16V10
D1206
MA151K
D1210
MA4056-M
(5.6V)
R1214
100
R1215
330
0.7
0
Q1203
MSD601
(REG.)
R1216
2700
0.7
Q1201
MSD601
D1212
MA165
R1202
270
(1/4W)
D1207
MA4047-M
(15V)
C1215
16V220
C1205
16V47
R1206
10K
49.3
0
Q1202
8P2M
QR1204
UN2224
D1215
D1216
NOT USED
0
9.1
QR1202
MRN1404
(POWER OFF Ⓛ : OFF)
QR1203
MRN1403
9.1
0
R1218
10K
D1217
MA151K
C1216
16V100
TPG

REEL SERVO C.B.A. (VEP02377A)


REEL SERVO C.B.A. (VEP02377A)
C
B
A
1
2
3
4
VEP02377
REEL SERVO
REF.NO.2500SERIES
VJB02377
FOWARD
REVERSE
TP1
TP2
TP3
GND
IC1
IC2
IC4
IC5
IC6
IC7
IC8
IC9
IC10
IC12
IC13
P2501
P2502
P2505
P2506
(F

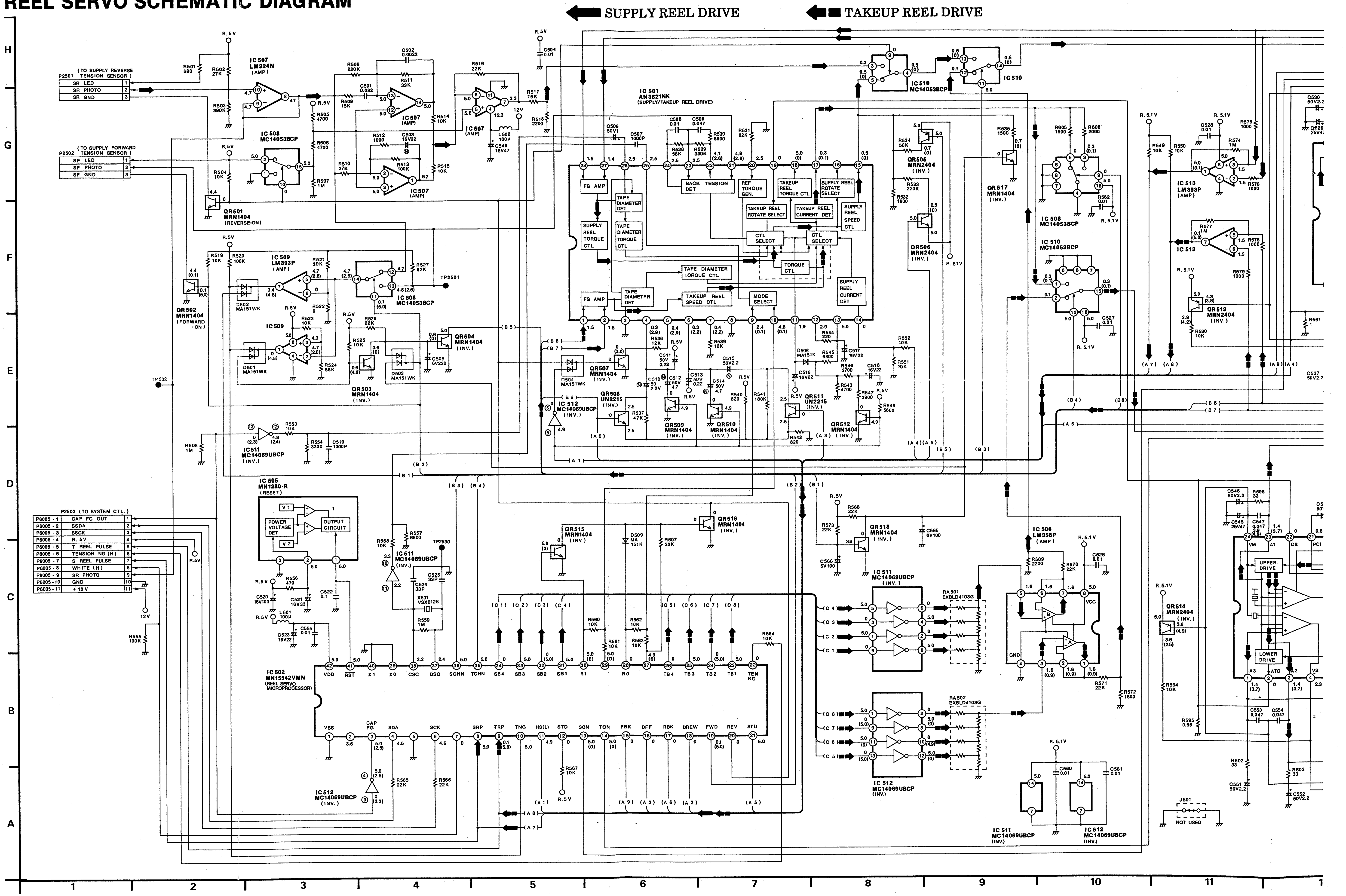


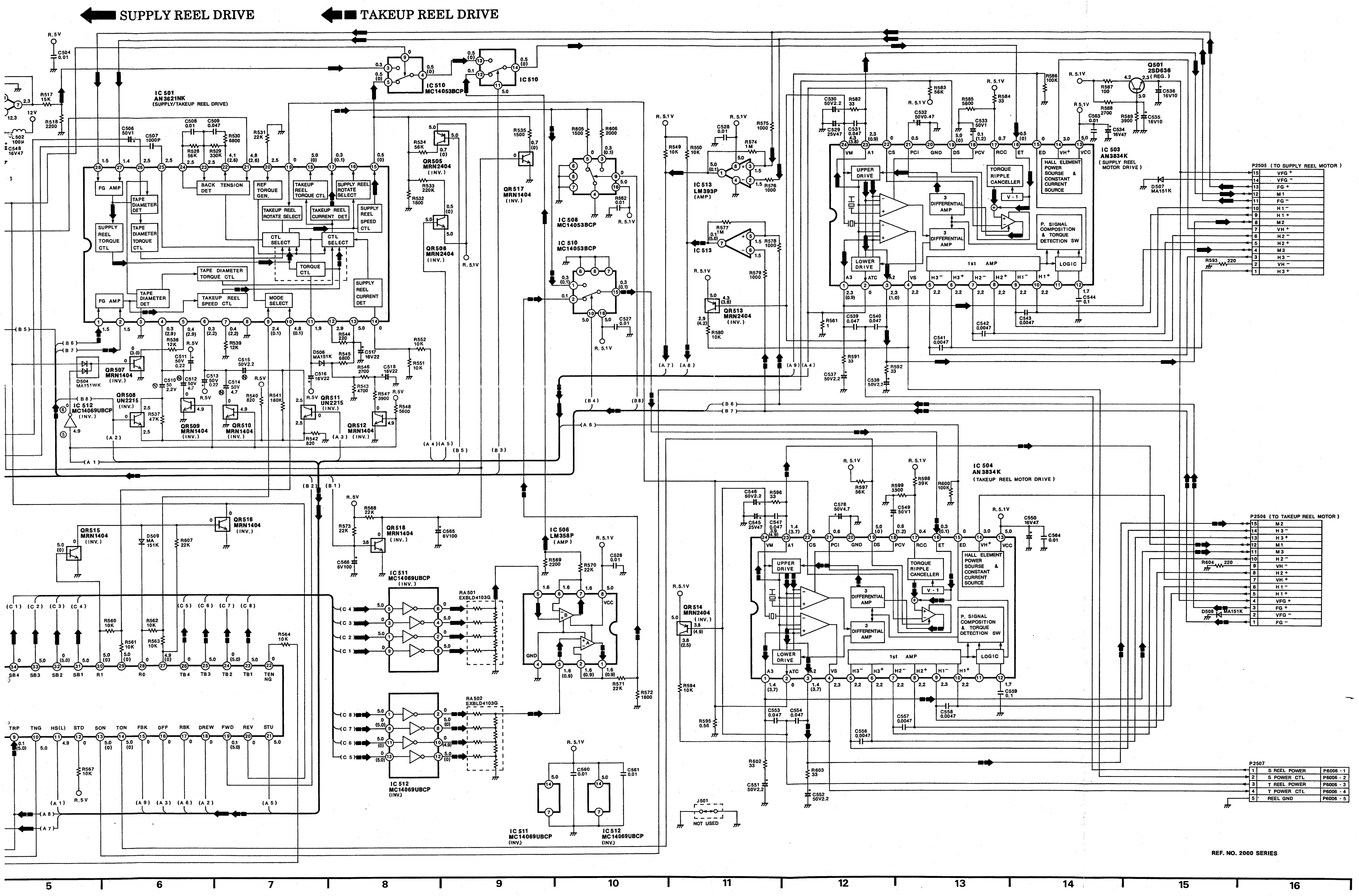
(FOIL SIDE)

REEL SERVO C.B.A.	
Transistor	
Q2501	A-2 Ⓕ
Transistor & Resistor	
QR2501	C-1 Ⓕ
QR2502	A-1 Ⓕ
QR2503	B-1 Ⓕ
QR2504	B-1 Ⓕ
QR2505	B-1 Ⓕ
QR2506	B-1 Ⓕ
QR2507	C-3 Ⓕ
QR2508	C-3 Ⓕ
QR2509	B-3 Ⓕ
QR2510	B-3 Ⓕ
QR2511	B-3 Ⓕ
QR2512	B-3 Ⓕ
QR2513	A-3 Ⓕ
QR2514	C-5 Ⓕ
QR2515	B-4 Ⓕ
QR2516	B-4 Ⓕ
QR2517	B-1 Ⓕ
QR2518	B-1 Ⓕ
Integrated Circuit	
IC2501	C-2 Ⓕ
IC2502	C-5 Ⓕ
IC2503	A-2 Ⓕ
IC2504	A-4 Ⓕ
IC2505	B-5 Ⓕ
IC2506	C-4 Ⓕ
IC2507	C-1 Ⓕ
IC2508	A-1 Ⓕ
IC2509	B-2 Ⓕ
IC2510	C-4 Ⓕ
IC2511	C-5 Ⓕ
IC2512	C-5 Ⓕ
IC2513	A-4 Ⓕ
Test Point	
TP2501	C-1 Ⓕ
TP2502	C-2 Ⓕ
TP2503	B-5 Ⓕ
Connector	
P2501	B-1 Ⓕ
P2502	B-1 Ⓕ
P2503	B-5 Ⓕ
P2505	A-2 Ⓕ
P2506	A-4 Ⓕ
P2507	C-5 Ⓕ

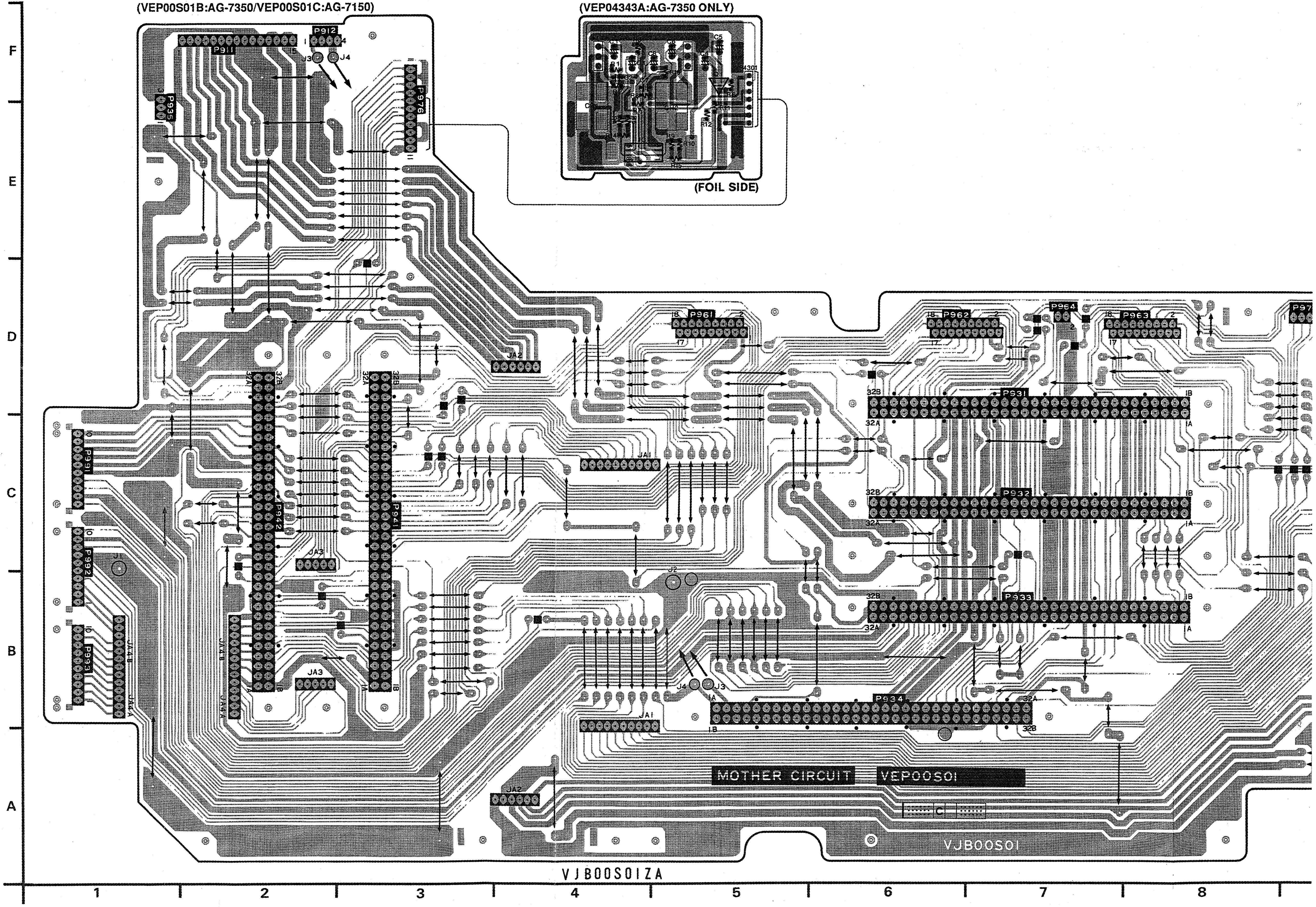
ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

REEL SERVO SCHEMATIC DIAGRAM


SUPPLY REEL DRIVE
TAKEUP REEL DRIVE
P2501 (TO SUPPLY REVERSE TENSION SENSOR)
SR LED
SR PHOTO
SR GND
P2502 (TO SUPPLY FORWARD TENSION SENSOR)
SF LED
SF PHOTO
SF GND
IC 507 LM324N (AMP)
IC 508 MC14053BCP
QR501 MRN1404 (REVERSE:ON)
QR502 MRN1404 (FORWARD:ON)
IC 509 LM393P (AMP)
D502 MA151WK
D501 MA151WK
D503 MA151WK
QR503 MRN1404 (INV.)
QR504 MRN1404 (INV.)
TP2501
TP502
IC 501 AN3621NK (SUPPLY/TAKEUP REEL DRIVE)
FG AMP
TAPE DIAMETER DET
SUPPLY REEL TORQUE CTL
TAPE DIAMETER TORQUE CTL
BACK TENSION DET
REF TORQUE GEN.
TAKEUP REEL TORQUE CTL
SUPPLY REEL ROTATE SELECT
TAKEUP REEL ROTATE SELECT
TAKEUP REEL CURRENT DET
SUPPLY REEL SPEED CTL
CTL SELECT
TORQUE CTL
TAPE DIAMETER TORQUE CTL
TAKEUP REEL SPEED CTL
MODE SELECT
SUPPLY REEL CURRENT DET
IC 510 MC14053BCP
QR505 MRN2404 (INV.)
QR506 MRN2404 (INV.)
QR517 MRN1404 (INV.)
IC 513 LM393P (AMP)
QR513 MRN2404 (INV.)
QR507 MRN1404 (INV.)
QR508 UN2215 (INV.)
QR509 MRN1404 (INV.)
QR510 MRN1404 (INV.)
QR511 UN2215 (INV.)
QR512 MRN1404 (INV.)
D504 MA151WK
D506 MA151K
IC 512 MC14069UBCP (INV.)
IC 511 MC14069UBCP (INV.)
P2503 (TO SYSTEM CTL.)
P6005-1 CAP FG OUT
P6005-2 SSDA
P6005-3 SSCK
P6005-4 R. 5V
P6005-5 T REEL PULSE
P6005-6 TENSION NG (H)
P6005-7 S REEL PULSE
P6005-8 WHITE (H)
P6005-9 SR PHOTO
P6005-10 GND
P6005-11 + 12V
IC 505 MN1280-R (RESET)
POWER VOLTAGE DET
OUTPUT CIRCUIT
TP2530
X501 VSX0128
IC 502 MN15542VMN (REEL SERVO MICROPROCESSOR)
VDD RST X1 X0 CSC DSC SCHN TCHN SB4 SB3 SB2 SB1 R1 R0 TB4 TB3 TB2 TB1 TEN NG
VSS CAP FG SDA SCK SRP TRP TNG HS(L) STD SON TON FBK DFF RBK DREW FWD REV STU
QR515 MRN1404 (INV.)
QR516 MRN1404 (INV.)
QR518 MRN1404 (INV.)
D509 MA151K
RA501 EXBLD4103G
RA502 EXBLD4103G
IC 506 LM358P (AMP)
QR514 MRN2404 (INV.)
UPPER DRIVE
LOWER DRIVE
J501 NOT USED
H G F E D C B A
1 2 3 4 5 6 7 8 9 10 11


SUPPLY REEL DRIVE
TAKEUP REEL DRIVE
IC 501 AN3621NK (SUPPLY/TAKEUP REEL DRIVE)
FG AMP
TAPE DIAMETER DET
SUPPLY REEL TORQUE CTL
BACK TENSION DET
REF TORQUE GEN.
TAKEUP REEL TORQUE CTL
SUPPLY REEL ROTATE SELECT
TAKEUP REEL ROTATE SELECT
TAKEUP REEL CURRENT DET
SUPPLY REEL SPEED CTL
CTL SELECT
TORQUE CTL
TAPE DIAMETER TORQUE CTL
TAKEUP REEL SPEED CTL
MODE SELECT
SUPPLY REEL CURRENT DET
IC 510 MC14053BCP
IC 508 MC14053BCP
IC 513 LM393P (AMP)
IC 503 AN3834K (SUPPLY REEL MOTOR DRIVE)
IC 504 AN3834K (TAKEUP REEL MOTOR DRIVE)
UPPER DRIVE
LOWER DRIVE
3 DIFFERENTIAL AMP
TORQUE RIPPLE CANCELLER
HALL ELEMENT POWER SOURSE & CONSTANT CURRENT SOURCE
P. SIGNAL COMPOSITION & TORQUE DETECTION SW
1st AMP
LOGIC
V · I
Q501 2SD636 (REG.)
D507 MA151K
D508 MA151K
D504 MA151WK
D506 MA151K
D509 MA151K
QR505 MRN2404 (INV.)
QR506 MRN2404 (INV.)
QR507 MRN1404 (INV.)
QR508 UN2215 (INV.)
QR509 MRN1404 (INV.)
QR510 MRN1404 (INV.)
QR511 UN2215 (INV.)
QR512 MRN1404 (INV.)
QR513 MRN2404 (INV.)
QR514 MRN2404 (INV.)
QR515 MRN1404 (INV.)
QR516 MRN1404 (INV.)
QR517 MRN1404 (INV.)
QR518 MRN1404 (INV.)
IC 512 MC14069UBCP (INV.)
IC 511 MC14069UBCP (INV.)
IC 506 LM358P (AMP)
RA501 EXBLD4103G
RA502 EXBLD4103G
J501 NOT USED
SB4 SB3 SB2 SB1 R1 RI R0 TB4 TB3 TB2 TB1 TEN NG
TRP TNG HS(L) STD SON TON FBK DFF RBK DREW FWD REV STU
P2505 (TO SUPPLY REEL MOTOR)
15 VFG+
14 VFG−
13 FG+
12 M1
11 FG−
10 H1−
9 H1+
8 M2
7 VH+
6 H2−
5 H2+
4 M3
3 H3−
2 VH−
1 H3+
P2506 (TO TAKEUP REEL MOTOR)
15 M2
14 H3−
13 H3+
12 M1
11 M3
10 H2−
9 VH−
8 H2+
7 VH+
6 H1−
5 H1+
4 VFG+
3 FG+
2 VFG−
1 FG−
P2507
1 S REEL POWER P6006-1
2 S POWER CTL P6006-2
3 T REEL POWER P6006-3
4 T POWER CTL P6006-4
5 REEL GND P6006-5
REF. NO. 2000 SERIES
5 6 7 8 9 10 11 12 13 14 15 16

MOTHER C.B.A. (VEP00S01B: AG-7350/VEP00S01C: AG-7150) AND MIC C.B.A. (VEP04343A)



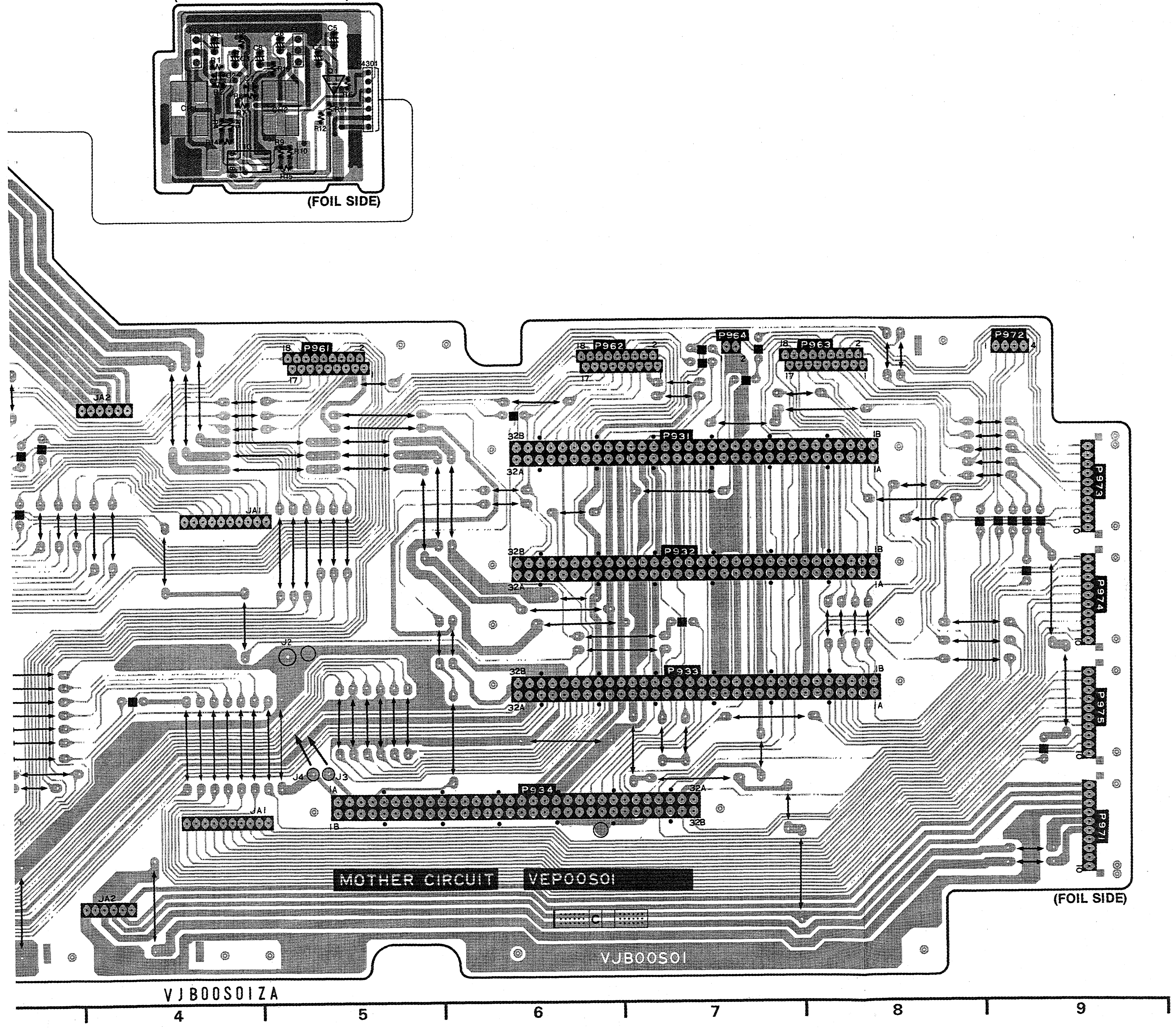
MOTHER C.B.A.
(VEP00S01B:AG-7350/VEP00S01C:AG-7150)

MIC C.B.A.
(VEP04343A:AG-7350 ONLY)

F
E
D
C
B
A
1
2
3
4
5
6
7
8
P911
P912
J3
J4
P935
P976
4301
(FOIL SIDE)
JA2
P961
P962
P964
P963
P931
P932
P933
P934
32A
32B
1A
1B
P991
P992
P993
P942
P941
JA1
JA3
JA4A
JA4B
J1
J2
MOTHER CIRCUIT
VEP00S01
VJB00S01
VJB00S01ZA

00S01C: AG-7150) AND MIC C.B.A. (VEP04343A)

MIC C.B.A.
(VEP04343A:AG-7350 ONLY)


C5
C8
R9
R10
R12
4301
(FOIL SIDE)
P961
P962
P964
P963
P972
JA2
JA1
P931
P932
P933
P934
32B
32A
1B
1A
J2
J3
J4
P973
P974
P975
P971
MOTHER CIRCUIT
VEP00S01
(FOIL SIDE)
VJB00S01
VJB00S01ZA
4
5
6
7
8
9

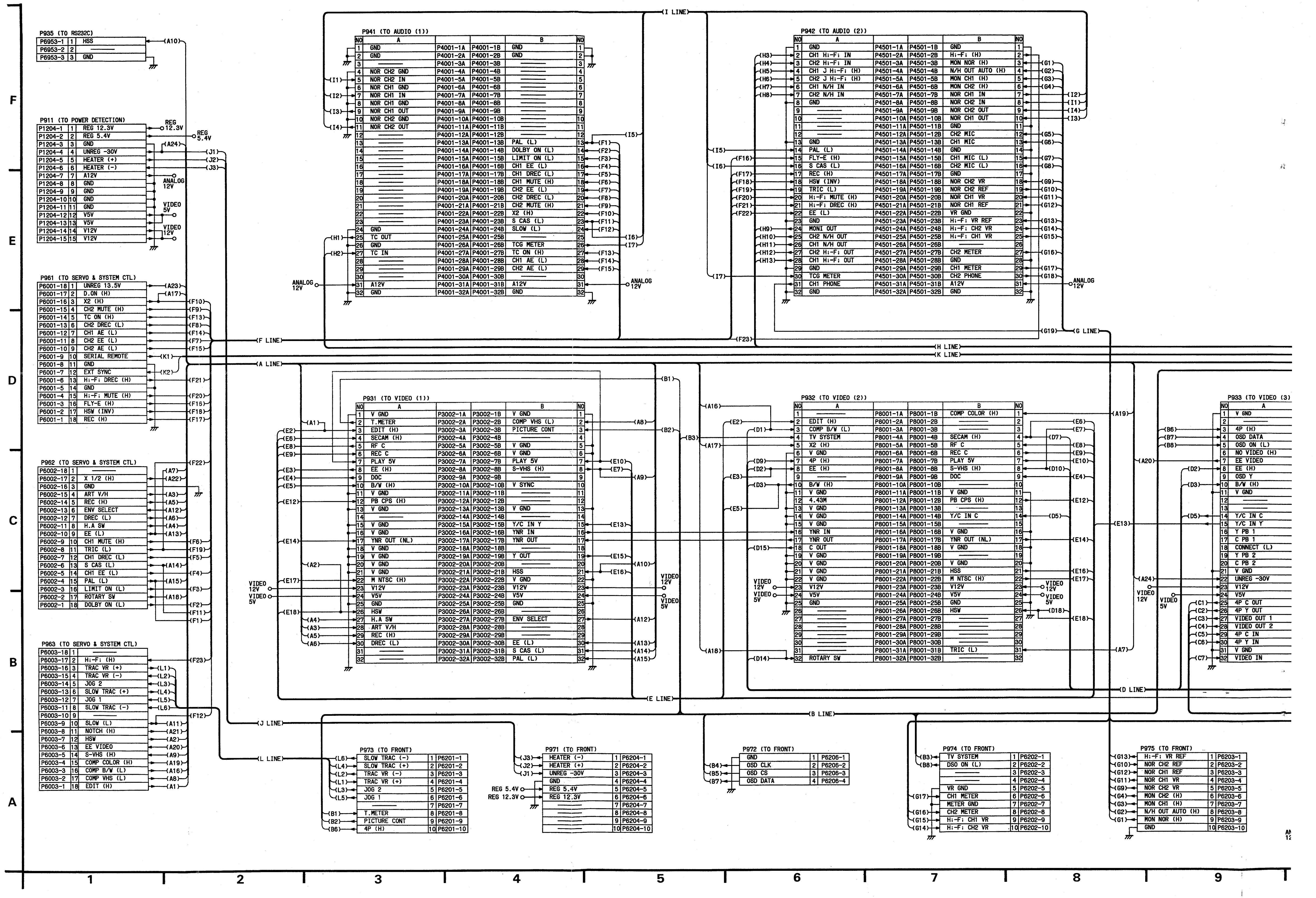
MOTHER C.B.A.	
Connector	
P911	F-2 Ⓕ
P912	F-2 Ⓕ
P931	D-7 Ⓕ
P932	C-7 Ⓕ
P933	B-7 Ⓕ
P934	B-6 Ⓕ
P935	E-1 Ⓕ
P941	C-3 Ⓕ
P942	C-2 Ⓕ
P961	D-5 Ⓕ
P962	D-6 Ⓕ
P963	D-8 Ⓕ
P964	D-7 Ⓕ
P971	A-9 Ⓕ
P972	D-9 Ⓕ
P973	C-9 Ⓕ
P974	C-9 Ⓕ
P975	B-9 Ⓕ
P976	F-3 Ⓕ
P991	C-1 Ⓕ
P992	C-1 Ⓕ
P993	B-1 Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

MIC C.B.A.	
Transistor	
Q4301	F-5 Ⓕ
Integrated Circuit	
IC4301	E-4 Ⓕ
Connector	
P4301	F-5 Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

MOTHER SCHEMATIC DIAGRAM



P935 (TO RS232C)

P6953-1	1	HSS
P6953-2	2	—
P6953-3	3	GND

P911 (TO POWER DETECTION)

P1204-1	1	REG 12.3V
P1204-2	2	REG 5.4V
P1204-3	3	GND
P1204-4	4	UNREG -30V
P1204-5	5	HEATER (+)
P1204-6	6	HEATER (-)
P1204-7	7	A12V
P1204-8	8	GND
P1204-9	9	GND
P1204-10	10	GND
P1204-11	11	GND
P1204-12	12	V5V
P1204-13	13	V5V
P1204-14	14	V12V
P1204-15	15	V12V

P961 (TO SERVO & SYSTEM CTL)

P6001-18	1	UNREG 13.5V
P6001-17	2	D.ON (H)
P6001-16	3	X2 (H)
P6001-15	4	CH2 MUTE (H)
P6001-14	5	TC ON (H)
P6001-13	6	CH2 DREC (L)
P6001-12	7	CH1 AE (L)
P6001-11	8	CH2 EE (L)
P6001-10	9	CH2 AE (L)
P6001-9	10	SERIAL REMOTE
P6001-8	11	GND
P6001-7	12	EXT SYNC
P6001-6	13	Hi-Fi DREC (H)
P6001-5	14	GND
P6001-4	15	Hi-Fi MUTE (H)
P6001-3	16	FLY-E (H)
P6001-2	17	HSW (INV)
P6001-1	18	REC (H)

P962 (TO SERVO & SYSTEM CTL)

P6002-18	1	—
P6002-17	2	X 1/2 (H)
P6002-16	3	GND
P6002-15	4	ART V/H
P6002-14	5	REC (H)
P6002-13	6	ENV SELECT
P6002-12	7	DREC (L)
P6002-11	8	H.A SW
P6002-10	9	EE (L)
P6002-9	10	CH1 MUTE (H)
P6002-8	11	TRIC (L)
P6002-7	12	CH1 DREC (L)
P6002-6	13	S CAS (L)
P6002-5	14	CH1 EE (L)
P6002-4	15	PAL (L)
P6002-3	16	LIMIT ON (L)
P6002-2	17	ROTARY SW
P6002-1	18	DOLBY ON (L)

P963 (TO SERVO & SYSTEM CTL)

P6003-18	1	—
P6003-17	2	Hi-Fi (H)
P6003-16	3	TRAC VR (+)
P6003-15	4	TRAC VR (-)
P6003-14	5	JOG 2
P6003-13	6	SLOW TRAC (+)
P6003-12	7	JOG 1
P6003-11	8	SLOW TRAC (-)
P6003-10	9	—
P6003-9	10	SLOW (L)
P6003-8	11	NOTCH (H)
P6003-7	12	HSW
P6003-6	13	EE VIDEO
P6003-5	14	S-VHS (H)
P6003-4	15	COMP COLOR (H)
P6003-3	16	COMP B/W (L)
P6003-2	17	COMP VHS (L)
P6003-1	18	EDIT (H)

P941 (TO AUDIO (1))

NO	A			B	NO
1	GND	P4001-1A	P4001-1B	GND	1
2	GND	P4001-2A	P4001-2B	GND	2
3	—	P4001-3A	P4001-3B	—	3
4	NOR CH2 GND	P4001-4A	P4001-4B	—	4
5	NOR CH2 IN	P4001-5A	P4001-5B	—	5
6	NOR CH1 GND	P4001-6A	P4001-6B	—	6
7	NOR CH1 IN	P4001-7A	P4001-7B	—	7
8	NOR CH1 GND	P4001-8A	P4001-8B	—	8
9	NOR CH1 OUT	P4001-9A	P4001-9B	—	9
10	NOR CH2 GND	P4001-10A	P4001-10B	—	10
11	NOR CH2 OUT	P4001-11A	P4001-11B	—	11
12	—	P4001-12A	P4001-12B	—	12
13	—	P4001-13A	P4001-13B	PAL (L)	13
14	—	P4001-14A	P4001-14B	DOLBY ON (L)	14
15	—	P4001-15A	P4001-15B	LIMIT ON (L)	15
16	—	P4001-16A	P4001-16B	CH1 EE (L)	16
17	—	P4001-17A	P4001-17B	CH1 DREC (L)	17
18	—	P4001-18A	P4001-18B	CH1 MUTE (H)	18
19	—	P4001-19A	P4001-19B	CH2 EE (L)	19
20	—	P4001-20A	P4001-20B	CH2 DREC (L)	20
21	—	P4001-21A	P4001-21B	CH2 MUTE (H)	21
22	—	P4001-22A	P4001-22B	X2 (H)	22
23	—	P4001-23A	P4001-23B	S CAS (L)	23
24	GND	P4001-24A	P4001-24B	SLOW (L)	24
25	TC OUT	P4001-25A	P4001-25B	—	25
26	GND	P4001-26A	P4001-26B	TCG METER	26
27	TC IN	P4001-27A	P4001-27B	TC ON (H)	27
28	—	P4001-28A	P4001-28B	CH1 AE (L)	28
29	—	P4001-29A	P4001-29B	CH2 AE (L)	29
30	—	P4001-30A	P4001-30B	—	30
31	A12V	P4001-31A	P4001-31B	A12V	31
32	GND	P4001-32A	P4001-32B	GND	32

P942 (TO AUDIO (2))

NO	A			B	NO
1	GND	P4501-1A	P4501-1B	GND	1
2	CH1 Hi-Fi IN	P4501-2A	P4501-2B	Hi-Fi (H)	2
3	CH2 Hi-Fi IN	P4501-3A	P4501-3B	MON NOR (H)	3
4	CH1 J Hi-Fi (H)	P4501-4A	P4501-4B	N/H OUT AUTO (H)	4
5	CH2 J Hi-Fi (H)	P4501-5A	P4501-5B	MON CH1 (H)	5
6	CH1 N/H IN	P4501-6A	P4501-6B	MON CH2 (H)	6
7	CH2 N/H IN	P4501-7A	P4501-7B	NOR CH1 IN	7
8	GND	P4501-8A	P4501-8B	NOR CH2 IN	8
9	—	P4501-9A	P4501-9B	NOR CH2 OUT	9
10	—	P4501-10A	P4501-10B	NOR CH1 OUT	10
11	—	P4501-11A	P4501-11B	GND	11
12	—	P4501-12A	P4501-12B	CH2 MIC	12
13	GND	P4501-13A	P4501-13B	CH1 MIC	13
14	PAL (L)	P4501-14A	P4501-14B	GND	14
15	FLY-E (H)	P4501-15A	P4501-15B	CH1 MIC (L)	15
16	S CAS (L)	P4501-16A	P4501-16B	CH2 MIC (L)	16
17	REC (H)	P4501-17A	P4501-17B	GND	17
18	HSW (INV)	P4501-18A	P4501-18B	NOR CH2 VR	18
19	TRIC (L)	P4501-19A	P4501-19B	NOR CH2 REF	19
20	Hi-Fi MUTE (H)	P4501-20A	P4501-20B	NOR CH1 VR	20
21	Hi-Fi DREC (H)	P4501-21A	P4501-21B	NOR CH1 REF	21
22	EE (L)	P4501-22A	P4501-22B	VR GND	22
23	GND	P4501-23A	P4501-23B	Hi-Fi VR REF	23
24	MONI OUT	P4501-24A	P4501-24B	Hi-Fi CH2 VR	24
25	CH2 N/H OUT	P4501-25A	P4501-25B	Hi-Fi CH1 VR	25
26	CH1 N/H OUT	P4501-26A	P4501-26B	—	26
27	CH2 Hi-Fi OUT	P4501-27A	P4501-27B	CH2 METER	27
28	CH1 Hi-Fi OUT	P4501-28A	P4501-28B	GND	28
29	GND	P4501-29A	P4501-29B	CH1 METER	29
30	TCG METER	P4501-30A	P4501-30B	CH2 PHONE	30
31	CH1 PHONE	P4501-31A	P4501-31B	A12V	31
32	GND	P4501-32A	P4501-32B	GND	32

P931 (TO VIDEO (1))

NO	A			B	NO
1	V GND	P3002-1A	P3002-1B	V GND	1
2	T.METER	P3002-2A	P3002-2B	COMP VHS (L)	2
3	EDIT (H)	P3002-3A	P3002-3B	PICTURE CONT	3
4	SECAM (H)	P3002-4A	P3002-4B	—	4
5	RF C	P3002-5A	P3002-5B	V GND	5
6	REC C	P3002-6A	P3002-6B	V GND	6
7	PLAY 5V	P3002-7A	P3002-7B	PLAY 5V	7
8	EE (H)	P3002-8A	P3002-8B	S-VHS (H)	8
9	DOC	P3002-9A	P3002-9B	—	9
10	B/W (H)	P3002-10A	P3002-10B	V SYNC	10
11	V GND	P3002-11A	P3002-11B	—	11
12	PB CPS (H)	P3002-12A	P3002-12B	—	12
13	V GND	P3002-13A	P3002-13B	V GND	13
14	—	P3002-14A	P3002-14B	—	14
15	V GND	P3002-15A	P3002-15B	Y/C IN Y	15
16	V GND	P3002-16A	P3002-16B	YNR IN	16
17	YNR OUT (NL)	P3002-17A	P3002-17B	YNR OUT	17
18	V GND	P3002-18A	P3002-18B	—	18
19	V GND	P3002-19A	P3002-19B	Y OUT	19
20	V GND	P3002-20A	P3002-20B	—	20
21	V GND	P3002-21A	P3002-21B	HSS	21
22	M NTSC (H)	P3002-22A	P3002-22B	V GND	22
23	V12V	P3002-23A	P3002-23B	V12V	23
24	V5V	P3002-24A	P3002-24B	V5V	24
25	GND	P3002-25A	P3002-25B	GND	25
26	HSW	P3002-26A	P3002-26B	—	26
27	H.A SW	P3002-27A	P3002-27B	ENV SELECT	27
28	ART V/H	P3002-28A	P3002-28B	—	28
29	REC (H)	P3002-29A	P3002-29B	—	29
30	DREC (L)	P3002-30A	P3002-30B	EE (L)	30
31	—	P3002-31A	P3002-31B	S CAS (L)	31
32	—	P3002-32A	P3002-32B	PAL (L)	32

P932 (TO VIDEO (2))

NO	A			B	NO
1	—	P8001-1A	P8001-1B	COMP COLOR (H)	1
2	EDIT (H)	P8001-2A	P8001-2B	—	2
3	COMP B/W (L)	P8001-3A	P8001-3B	—	3
4	TV SYSTEM	P8001-4A	P8001-4B	SECAM (H)	4
5	X2 (H)	P8001-5A	P8001-5B	RF C	5
6	V GND	P8001-6A	P8001-6B	REC C	6
7	4P (H)	P8001-7A	P8001-7B	PLAY 5V	7
8	EE (H)	P8001-8A	P8001-8B	S-VHS (H)	8
9	—	P8001-9A	P8001-9B	DOC	9
10	B/W (H)	P8001-10A	P8001-10B	—	10
11	V GND	P8001-11A	P8001-11B	V GND	11
12	4.43M	P8001-12A	P8001-12B	PB CPS (H)	12
13	V GND	P8001-13A	P8001-13B	—	13
14	V GND	P8001-14A	P8001-14B	Y/C IN C	14
15	V GND	P8001-15A	P8001-15B	—	15
16	YNR IN	P8001-16A	P8001-16B	V GND	16
17	YNR OUT	P8001-17A	P8001-17B	YNR OUT (NL)	17
18	C OUT	P8001-18A	P8001-18B	V GND	18
19	V GND	P8001-19A	P8001-19B	—	19
20	V GND	P8001-20A	P8001-20B	V GND	20
21	V GND	P8001-21A	P8001-21B	HSS	21
22	V GND	P8001-22A	P8001-22B	M NTSC (H)	22
23	V12V	P8001-23A	P8001-23B	V12V	23
24	V5V	P8001-24A	P8001-24B	V5V	24
25	GND	P8001-25A	P8001-25B	GND	25
26	—	P8001-26A	P8001-26B	HSW	26
27	—	P8001-27A	P8001-27B	—	27
28	—	P8001-28A	P8001-28B	—	28
29	—	P8001-29A	P8001-29B	—	29
30	—	P8001-30A	P8001-30B	—	30
31	—	P8001-31A	P8001-31B	TRIC (L)	31
32	ROTARY SW	P8001-32A	P8001-32B	—	32

P933 (TO VIDEO (3)

NO	A
1	V GND
2	—
3	4P (H)
4	OSD DATA
5	OSD ON (L)
6	NO VIDEO (H)
7	EE VIDEO
8	EE (H)
9	OSD Y
10	B/W (H)
11	V GND
12	—
13	—
14	Y/C IN C
15	Y/C IN Y
16	Y PB 1
17	C PB 1
18	CONNECT (L)
19	Y PB 2
20	C PB 2
21	V GND
22	UNREG -30V
23	V12V
24	V5V
25	4P C OUT
26	4P Y OUT
27	VIDEO OUT 1
28	VIDEO OUT 2
29	4P C IN
30	4P Y IN
31	V GND
32	VIDEO IN

P973 (TO FRONT)

SLOW TRAC (-)	1	P6201-1
SLOW TRAC (+)	2	P6201-2
TRAC VR (-)	3	P6201-3
TRAC VR (+)	4	P6201-4
JOG 2	5	P6201-5
JOG 1	6	P6201-6
—	7	P6201-7
T.METER	8	P6201-8
PICTURE CONT	9	P6201-9
4P (H)	10	P6201-10

P971 (TO FRONT)

HEATER (-)	1	P6204-1
HEATER (+)	2	P6204-2
UNREG -30V	3	P6204-3
GND	4	P6204-4
REG 5.4V	5	P6204-5
REG 12.3V	6	P6204-6
—	7	P6204-7
—	8	P6204-8
—	9	P6204-9
—	10	P6204-10

P972 (TO FRONT)

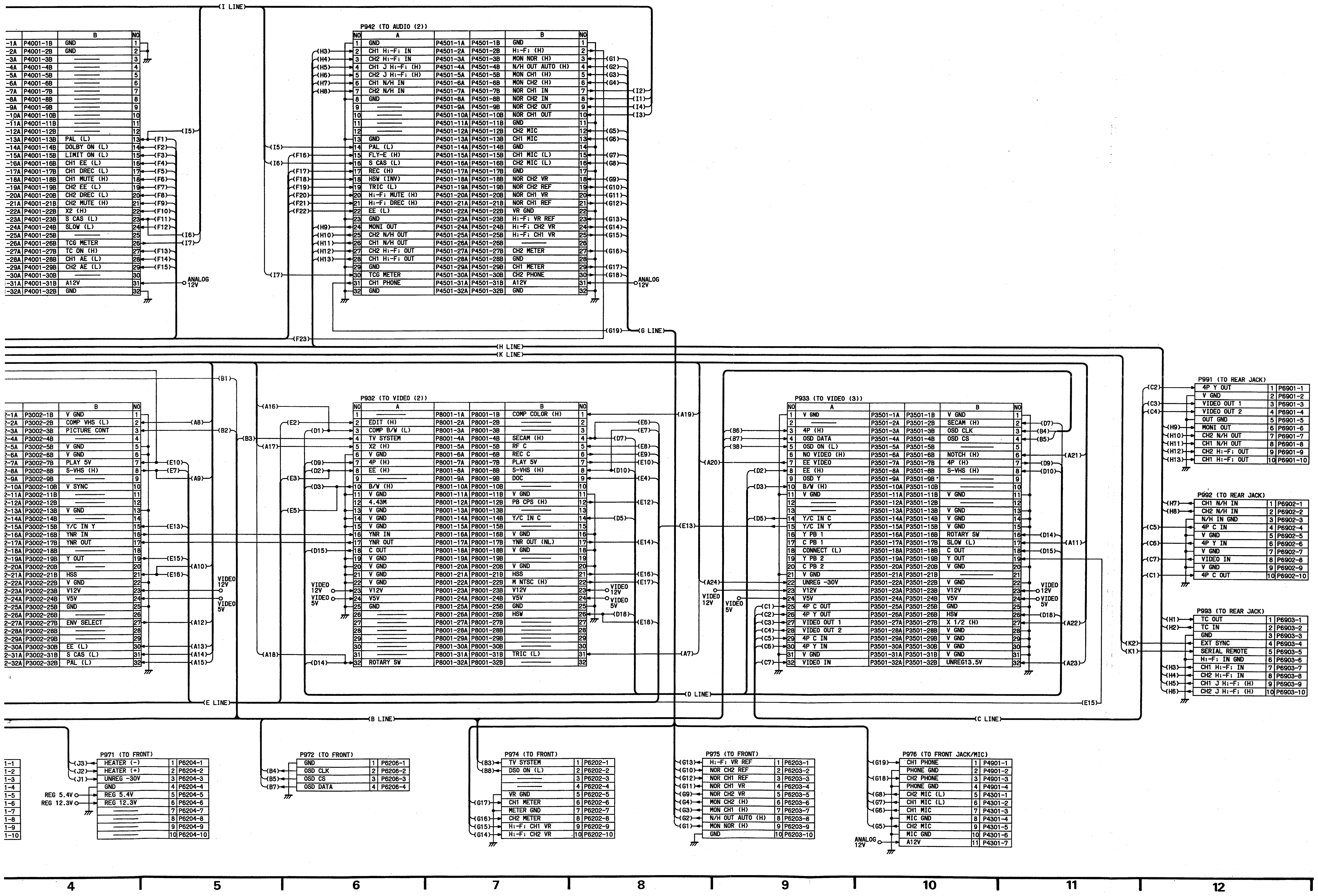
GND	1	P6206-1
OSD CLK	2	P6206-2
OSD CS	3	P6206-3
OSD DATA	4	P6206-4

P974 (TO FRONT)

TV SYSTEM	1	P6202-1
DSO ON (L)	2	P6202-2
—	3	P6202-3
—	4	P6202-4
VR GND	5	P6202-5
CH1 METER	6	P6202-6
METER GND	7	P6202-7
CH2 METER	8	P6202-8
Hi-Fi CH1 VR	9	P6202-9
Hi-Fi CH2 VR	10	P6202-10

P975 (TO FRONT)

Hi-Fi VR REF	1	P6203-1
NOR CH2 REF	2	P6203-2
NOR CH1 REF	3	P6203-3
NOR CH1 VR	4	P6203-4
NOR CH2 VR	5	P6203-5
MON CH2 (H)	6	P6203-6
MON CH1 (H)	7	P6203-7
N/H OUT AUTO (H)	8	P6203-8
MON NOR (H)	9	P6203-9
GND	10	P6203-10



		B	NO
-1A	P4001-1B	GND	1
-2A	P4001-2B	GND	2
-3A	P4001-3B	———	3
-4A	P4001-4B	———	4
-5A	P4001-5B	———	5
-6A	P4001-6B	———	6
-7A	P4001-7B	———	7
-8A	P4001-8B	———	8
-9A	P4001-9B	———	9
-10A	P4001-10B	———	10
-11A	P4001-11B	———	11
-12A	P4001-12B	———	12
-13A	P4001-13B	PAL (L)	13
-14A	P4001-14B	DOLBY ON (L)	14
-15A	P4001-15B	LIMIT ON (L)	15
-16A	P4001-16B	CH1 EE (L)	16
-17A	P4001-17B	CH1 DREC (L)	17
-18A	P4001-18B	CH1 MUTE (H)	18
-19A	P4001-19B	CH2 EE (L)	19
-20A	P4001-20B	CH2 DREC (L)	20
-21A	P4001-21B	CH2 MUTE (H)	21
-22A	P4001-22B	X2 (H)	22
-23A	P4001-23B	S CAS (L)	23
-24A	P4001-24B	SLOW (L)	24
-25A	P4001-25B	———	25
-26A	P4001-26B	TCG METER	26
-27A	P4001-27B	TC ON (H)	27
-28A	P4001-28B	CH1 AE (L)	28
-29A	P4001-29B	CH2 AE (L)	29
-30A	P4001-30B	———	30
-31A	P4001-31B	A12V	31
-32A	P4001-32B	GND	32

P942 (TO AUDIO (2))

NO	A			B	NO
1	GND	P4501-1A	P4501-1B	GND	1
2	CH1 Hi-Fi IN	P4501-2A	P4501-2B	Hi-Fi (H)	2
3	CH2 Hi-Fi IN	P4501-3A	P4501-3B	MON NOR (H)	3
4	CH1 J Hi-Fi (H)	P4501-4A	P4501-4B	N/H OUT AUTO (H)	4
5	CH2 J Hi-Fi (H)	P4501-5A	P4501-5B	MON CH1 (H)	5
6	CH1 N/H IN	P4501-6A	P4501-6B	MON CH2 (H)	6
7	CH2 N/H IN	P4501-7A	P4501-7B	NOR CH1 IN	7
8	GND	P4501-8A	P4501-8B	NOR CH2 IN	8
9	———	P4501-9A	P4501-9B	NOR CH2 OUT	9
10	———	P4501-10A	P4501-10B	NOR CH1 OUT	10
11	———	P4501-11A	P4501-11B	GND	11
12	———	P4501-12A	P4501-12B	CH2 MIC	12
13	GND	P4501-13A	P4501-13B	CH1 MIC	13
14	PAL (L)	P4501-14A	P4501-14B	GND	14
15	FLY-E (H)	P4501-15A	P4501-15B	CH1 MIC (L)	15
16	S CAS (L)	P4501-16A	P4501-16B	CH2 MIC (L)	16
17	REC (H)	P4501-17A	P4501-17B	GND	17
18	HSW (INV)	P4501-18A	P4501-18B	NOR CH2 VR	18
19	TRIC (L)	P4501-19A	P4501-19B	NOR CH2 REF	19
20	Hi-Fi MUTE (H)	P4501-20A	P4501-20B	NOR CH1 VR	20
21	Hi-Fi DREC (H)	P4501-21A	P4501-21B	NOR CH1 REF	21
22	EE (L)	P4501-22A	P4501-22B	VR GND	22
23	GND	P4501-23A	P4501-23B	Hi-Fi VR REF	23
24	MONI OUT	P4501-24A	P4501-24B	Hi-Fi CH2 VR	24
25	CH2 N/H OUT	P4501-25A	P4501-25B	Hi-Fi CH1 VR	25
26	CH1 N/H OUT	P4501-26A	P4501-26B	———	26
27	CH2 Hi-Fi OUT	P4501-27A	P4501-27B	CH2 METER	27
28	CH1 Hi-Fi OUT	P4501-28A	P4501-28B	GND	28
29	GND	P4501-29A	P4501-29B	CH1 METER	29
30	TCG METER	P4501-30A	P4501-30B	CH2 PHONE	30
31	CH1 PHONE	P4501-31A	P4501-31B	A12V	31
32	GND	P4501-32A	P4501-32B	GND	32

		B	NO
2-1A	P3002-1B	V GND	1
2-2A	P3002-2B	COMP VHS (L)	2
2-3A	P3002-3B	PICTURE CONT	3
2-4A	P3002-4B	———	4
2-5A	P3002-5B	V GND	5
2-6A	P3002-6B	V GND	6
2-7A	P3002-7B	PLAY 5V	7
2-8A	P3002-8B	S-VHS (H)	8
2-9A	P3002-9B	———	9
2-10A	P3002-10B	V SYNC	10
2-11A	P3002-11B	———	11
2-12A	P3002-12B	———	12
2-13A	P3002-13B	V GND	13
2-14A	P3002-14B	———	14
2-15A	P3002-15B	Y/C IN Y	15
2-16A	P3002-16B	YNR IN	16
2-17A	P3002-17B	YNR OUT	17
2-18A	P3002-18B	———	18
2-19A	P3002-19B	Y OUT	19
2-20A	P3002-20B	———	20
2-21A	P3002-21B	HSS	21
2-22A	P3002-22B	V GND	22
2-23A	P3002-23B	V12V	23
2-24A	P3002-24B	V5V	24
2-25A	P3002-25B	GND	25
2-26A	P3002-26B	———	26
2-27A	P3002-27B	ENV SELECT	27
2-28A	P3002-28B	———	28
2-29A	P3002-29B	———	29
2-30A	P3002-30B	EE (L)	30
2-31A	P3002-31B	S CAS (L)	31
2-32A	P3002-32B	PAL (L)	32

P932 (TO VIDEO (2))

NO	A			B	NO
1	———	P8001-1A	P8001-1B	COMP COLOR (H)	1
2	EDIT (H)	P8001-2A	P8001-2B	———	2
3	COMP B/W (L)	P8001-3A	P8001-3B	———	3
4	TV SYSTEM	P8001-4A	P8001-4B	SECAM (H)	4
5	X2 (H)	P8001-5A	P8001-5B	RF C	5
6	V GND	P8001-6A	P8001-6B	REC C	6
7	4P (H)	P8001-7A	P8001-7B	PLAY 5V	7
8	EE (H)	P8001-8A	P8001-8B	S-VHS (H)	8
9	———	P8001-9A	P8001-9B	DOC	9
10	B/W (H)	P8001-10A	P8001-10B	———	10
11	V GND	P8001-11A	P8001-11B	V GND	11
12	4.43M	P8001-12A	P8001-12B	PB CPS (H)	12
13	V GND	P8001-13A	P8001-13B	———	13
14	V GND	P8001-14A	P8001-14B	Y/C IN C	14
15	V GND	P8001-15A	P8001-15B	———	15
16	YNR IN	P8001-16A	P8001-16B	V GND	16
17	YNR OUT	P8001-17A	P8001-17B	YNR OUT (NL)	17
18	C OUT	P8001-18A	P8001-18B	V GND	18
19	V GND	P8001-19A	P8001-19B	———	19
20	V GND	P8001-20A	P8001-20B	V GND	20
21	V GND	P8001-21A	P8001-21B	HSS	21
22	V GND	P8001-22A	P8001-22B	M NTSC (H)	22
23	V12V	P8001-23A	P8001-23B	V12V	23
24	V5V	P8001-24A	P8001-24B	V5V	24
25	GND	P8001-25A	P8001-25B	GND	25
26	———	P8001-26A	P8001-26B	HSW	26
27	———	P8001-27A	P8001-27B	———	27
28	———	P8001-28A	P8001-28B	———	28
29	———	P8001-29A	P8001-29B	———	29
30	———	P8001-30A	P8001-30B	———	30
31	———	P8001-31A	P8001-31B	TRIC (L)	31
32	ROTARY SW	P8001-32A	P8001-32B	———	32

P933 (TO VIDEO (3))

NO	A			B	NO
1	V GND	P3501-1A	P3501-1B	V GND	1
2	———	P3501-2A	P3501-2B	SECAM (H)	2
3	4P (H)	P3501-3A	P3501-3B	OSD CLK	3
4	OSD DATA	P3501-4A	P3501-4B	OSD CS	4
5	OSD ON (L)	P3501-5A	P3501-5B	———	5
6	NO VIDEO (H)	P3501-6A	P3501-6B	NOTCH (H)	6
7	EE VIDEO	P3501-7A	P3501-7B	4P (H)	7
8	EE (H)	P3501-8A	P3501-8B	S-VHS (H)	8
9	OSD Y	P3501-9A	P3501-9B	———	9
10	B/W (H)	P3501-10A	P3501-10B	———	10
11	V GND	P3501-11A	P3501-11B	V GND	11
12	———	P3501-12A	P3501-12B	———	12
13	———	P3501-13A	P3501-13B	V GND	13
14	Y/C IN C	P3501-14A	P3501-14B	V GND	14
15	Y/C IN Y	P3501-15A	P3501-15B	V GND	15
16	Y PB 1	P3501-16A	P3501-16B	ROTARY SW	16
17	C PB 1	P3501-17A	P3501-17B	SLOW (L)	17
18	CONNECT (L)	P3501-18A	P3501-18B	C OUT	18
19	Y PB 2	P3501-19A	P3501-19B	Y OUT	19
20	C PB 2	P3501-20A	P3501-20B	V GND	20
21	V GND	P3501-21A	P3501-21B	———	21
22	UNREG -30V	P3501-22A	P3501-22B	V GND	22
23	V12V	P3501-23A	P3501-23B	V12V	23
24	V5V	P3501-24A	P3501-24B	V5V	24
25	4P C OUT	P3501-25A	P3501-25B	GND	25
26	4P Y OUT	P3501-26A	P3501-26B	HSW	26
27	VIDEO OUT 1	P3501-27A	P3501-27B	X 1/2 (H)	27
28	VIDEO OUT 2	P3501-28A	P3501-28B	V GND	28
29	4P C IN	P3501-29A	P3501-29B	V GND	29
30	4P Y IN	P3501-30A	P3501-30B	V GND	30
31	V GND	P3501-31A	P3501-31B	V GND	31
32	VIDEO IN	P3501-32A	P3501-32B	UNREG13.5V	32

P991 (TO REAR JACK)

4P Y OUT	1	P6901-1
V GND	2	P6901-2
VIDEO OUT 1	3	P6901-3
VIDEO OUT 2	4	P6901-4
OUT GND	5	P6901-5
MONI OUT	6	P6901-6
CH2 N/H OUT	7	P6901-7
CH1 N/H OUT	8	P6901-8
CH2 Hi-Fi OUT	9	P6901-9
CH1 Hi-Fi OUT	10	P6901-10

P992 (TO REAR JACK)

CH1 N/H IN	1	P6902-1
CH2 N/H IN	2	P6902-2
N/H IN GND	3	P6902-3
4P C IN	4	P6902-4
V GND	5	P6902-5
4P Y IN	6	P6902-6
V GND	7	P6902-7
VIDEO IN	8	P6902-8
V GND	9	P6902-9
4P C OUT	10	P6902-10

P993 (TO REAR JACK)

TC OUT	1	P6903-1
TC IN	2	P6903-2
GND	3	P6903-3
EXT SYNC	4	P6903-4
SERIAL REMOTE	5	P6903-5
Hi-Fi IN GND	6	P6903-6
CH1 Hi-Fi IN	7	P6903-7
CH2 Hi-Fi IN	8	P6903-8
CH1 J Hi-Fi (H)	9	P6903-9
CH2 J Hi-Fi (H)	10	P6903-10

1-1
1-2
1-3
1-4
1-5
1-6
1-7
1-8
1-9
1-10

P971 (TO FRONT)

HEATER (-)	1	P6204-1
HEATER (+)	2	P6204-2
UNREG -30V	3	P6204-3
GND	4	P6204-4
REG 5.4V	5	P6204-5
REG 12.3V	6	P6204-6
———	7	P6204-7
———	8	P6204-8
———	9	P6204-9
———	10	P6204-10

P972 (TO FRONT)

GND	1	P6206-1
OSD CLK	2	P6206-2
OSD CS	3	P6206-3
OSD DATA	4	P6206-4

P974 (TO FRONT)

TV SYSTEM	1	P6202-1
DSO ON (L)	2	P6202-2
———	3	P6202-3
———	4	P6202-4
VR GND	5	P6202-5
CH1 METER	6	P6202-6
METER GND	7	P6202-7
CH2 METER	8	P6202-8
Hi-Fi CH1 VR	9	P6202-9
Hi-Fi CH2 VR	10	P6202-10

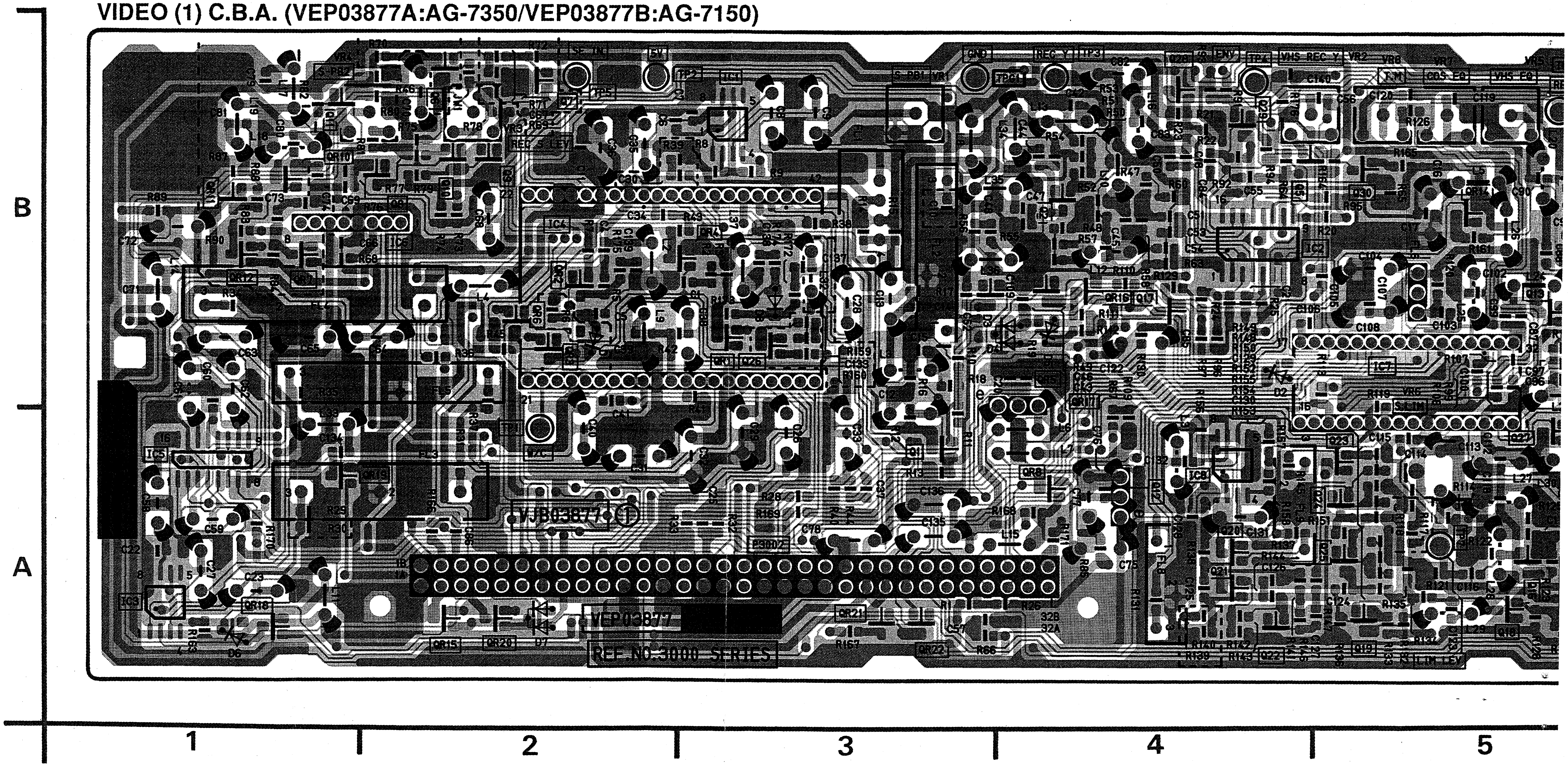
P975 (TO FRONT)

Hi-Fi VR REF	1	P6203-1
NOR CH2 REF	2	P6203-2
NOR CH1 REF	3	P6203-3
NOR CH1 VR	4	P6203-4
NOR CH2 VR	5	P6203-5
MON CH2 (H)	6	P6203-6
MON CH1 (H)	7	P6203-7
N/H OUT AUTO (H)	8	P6203-8
MON NOR (H)	9	P6203-9
GND	10	P6203-10

P976 (TO FRONT JACK/MIC)

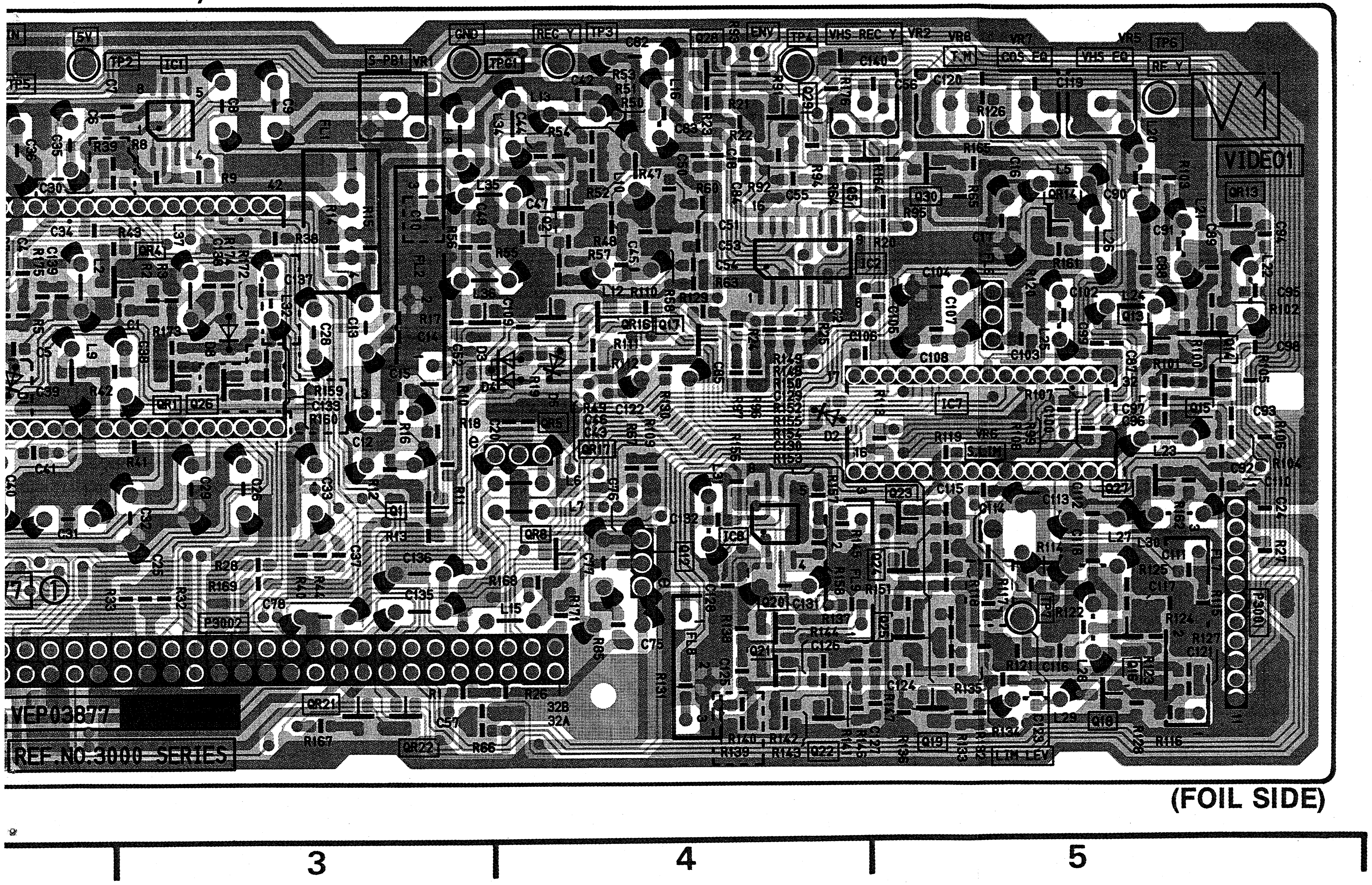
CH1 PHONE	1	P4901-1
PHONE GND	2	P4901-2
CH2 PHONE	3	P4901-3
PHONE GND	4	P4901-4
CH2 MIC (L)	5	P4301-1
CH1 MIC (L)	6	P4301-2
CH1 MIC	7	P4301-3
MIC GND	8	P4301-4
CH2 MIC	9	P4301-5
MIC GND	10	P4301-6
A12V	11	P4301-7

VIDEO (1) C.B.A. (VEP03877A: AG-7350/VEP03877B: AG-7150)


VIDEO (1) C.B.A. (VEP03877A:AG-7350/VEP03877B:AG-7150)
B
A
1
2
3
4
5
VJB03877 ①
VEP03877
REF NO:3000 SERIES
REC Y
VHS REC Y
VHS FG
GND
TP3
TP4

G-7150)

877B:AG-7150)



(FOIL SIDE)

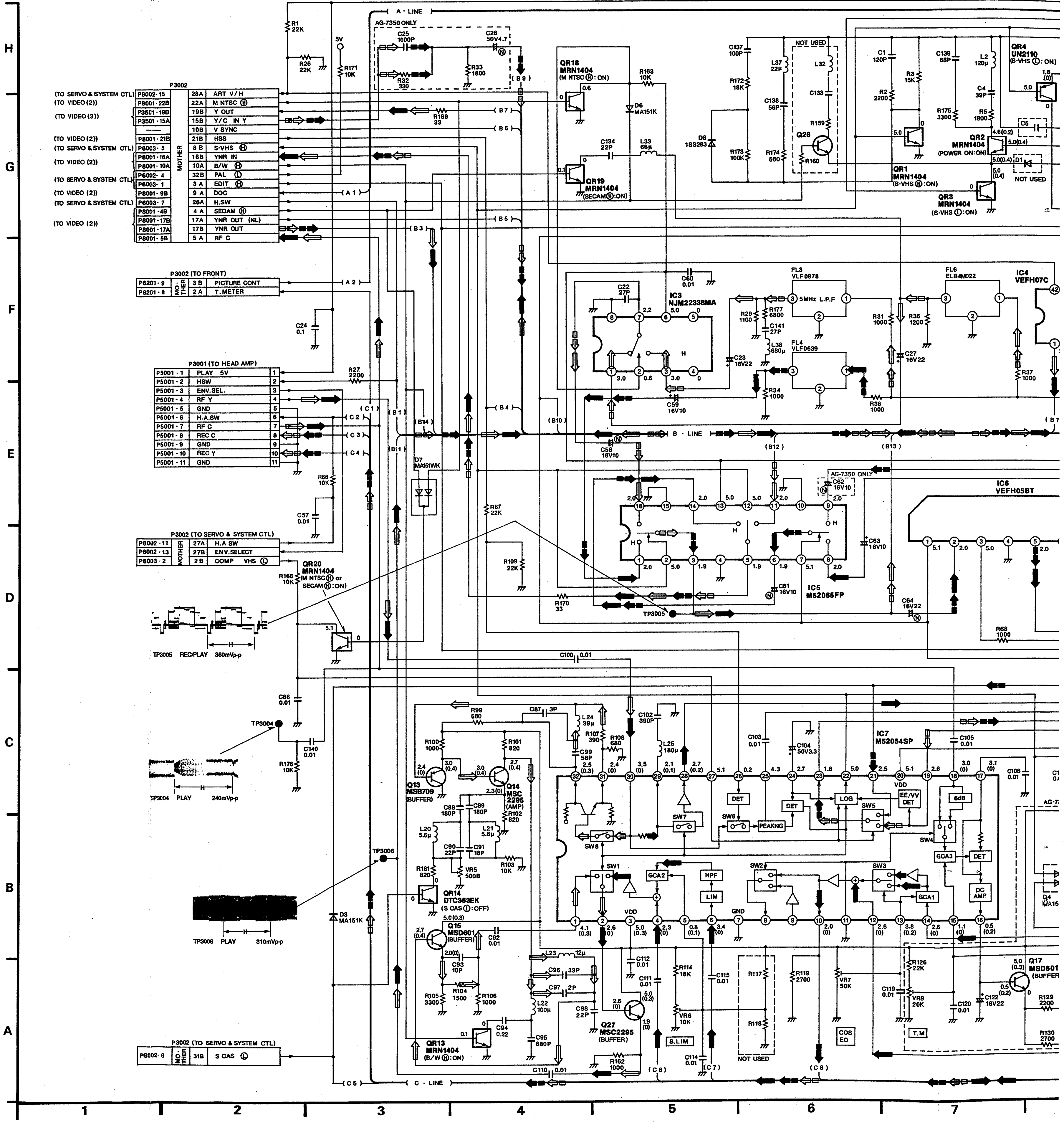
VIDEO (1) C.B.A.	
Transistor	
Q3001	A-3
Q3002	B-4
Q3005	B-4
Q3006	B-2
Q3007	B-2
Q3008	B-2
Q3009	B-2
Q3010	B-2
Q3011	B-1
Q3012	A-4
Q3013	B-5
Q3014	B-5
Q3015	B-5
Q3016	A-5
Q3017	B-4
Q3018	A-5
Q3019	A-5
Q3020	A-4
Q3021	A-4
Q3022	A-4
Q3023	A-5
Q3024	A-4
Q3025	A-5
Q3026	B-3
Q3027	A-5
Q3028	B-4
Q3029	B-4
Q3030	B-5
Transistor & Resistor	
QR3001	B-3
QR3002	B-2
QR3003	B-2
QR3004	B-3
QR3005	B-4
QR3006	B-2
QR3007	B-1
QR3008	A-4
QR3010	B-1
QR3011	B-1
QR3012	B-1
QR3013	B-5
QR3014	B-5
QR3015	A-2
QR3016	B-4
QR3017	B-4
QR3018	A-1
QR3019	A-2
QR3020	A-2
QR3021	A-3
QR3022	A-3
Integrated Circuit	
IC3001	B-3
IC3002	B-4
IC3003	A-1
IC3004	B-2
IC3005	A-1
IC3006	B-2
IC3007	B-5
IC3008	A-4
Test Point	
TP3001	A-2
TP3002	B-3
TP3003	B-4
TP3004	B-4
TP3005	B-2
TP3006	B-5
TP3007	A-5
TPG3001	B-4
Adjustment	
VR3001	B-3
VR3002	B-5
VR3003	B-2
VR3004	B-1
VR3005	B-5
VR3006	A-5
VR3007	B-5
VR3008	B-5
Connector	
P3001	A-5
P3002	A-3

ADDRESS INFORMATION
©...COMPONENT SIDE
Ⓕ...FOIL SIDE

VIDEO (1) SCHEMATIC DIAGRAM

◀■ VIDEO MAIN SIGNAL PATH IN REC MODE (S-VHS)
◁□ VIDEO MAIN SIGNAL PATH IN REC MODE (VHS)

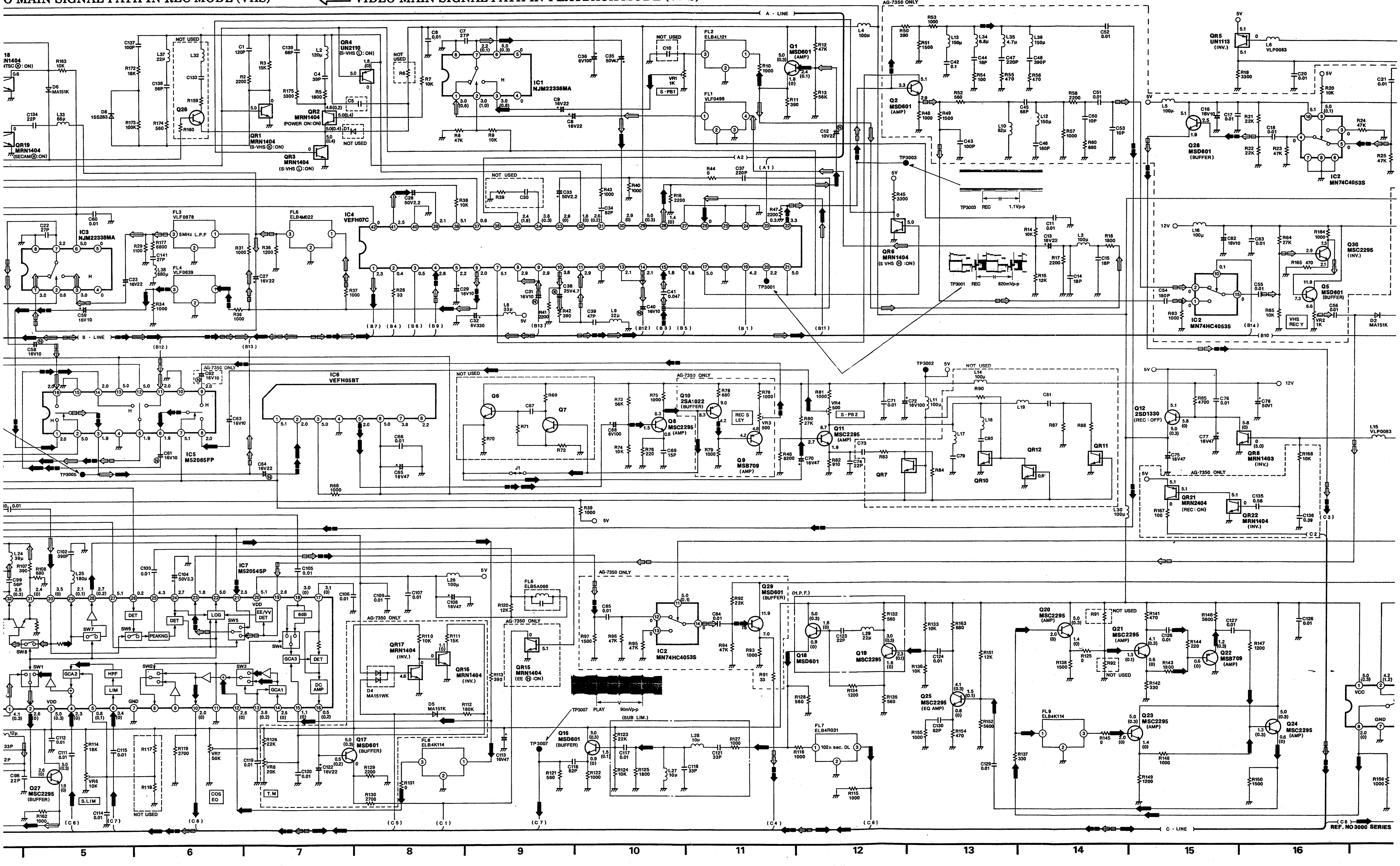
◀ VID
◁ VID



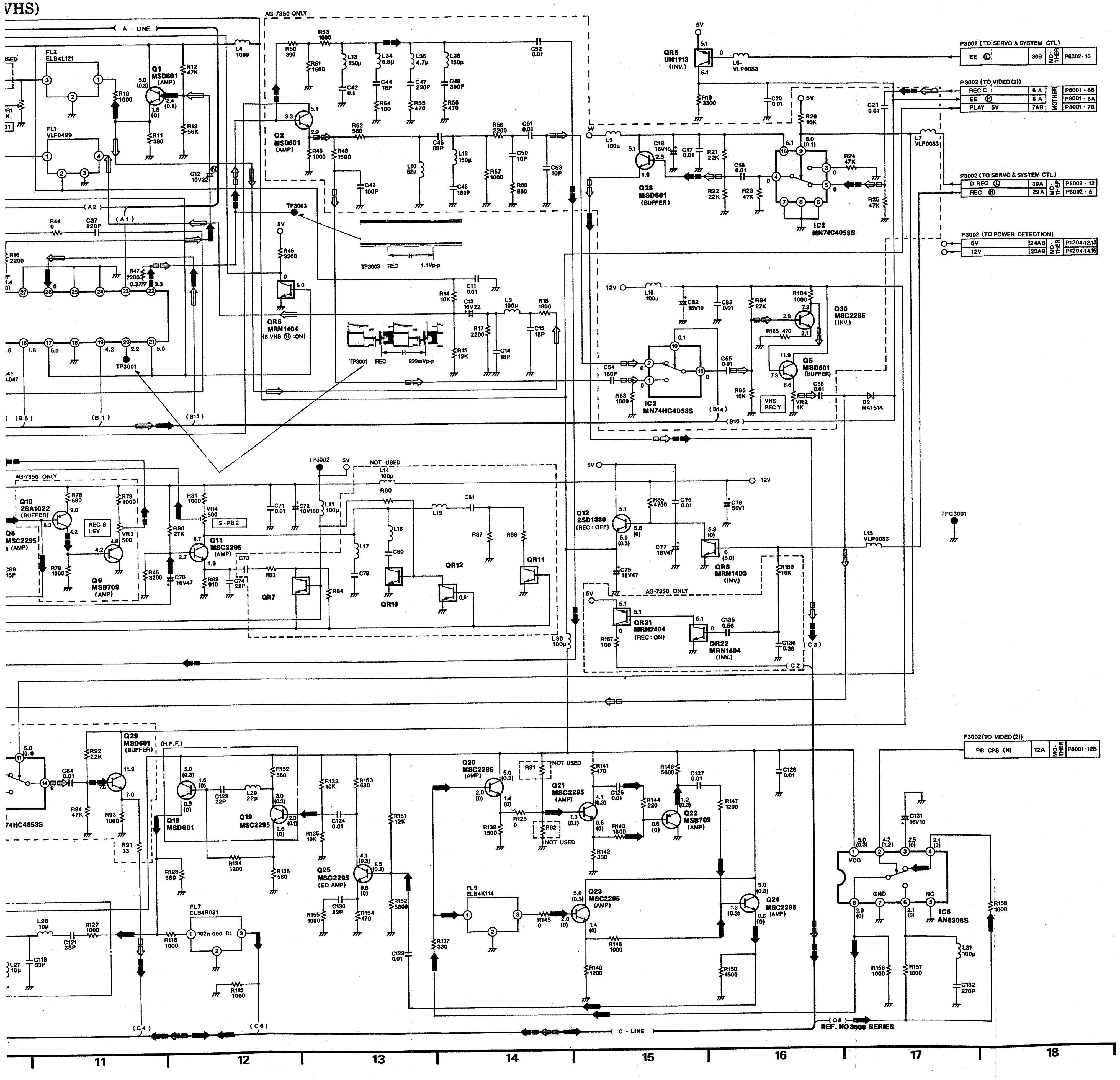
A - LINE
B - LINE
C - LINE
AG-7350 ONLY
P3002
(TO SERVO & SYSTEM CTL)
(TO VIDEO (2))
(TO VIDEO (3))
MOTHER
ART V/H
M NTSC
Y OUT
Y/C IN Y
V SYNC
HSS
S-VHS
YNR IN
B/W
PAL
EDIT
DOC
H.SW
SECAM
YNR OUT (NL)
YNR OUT
RF C
P3002 (TO FRONT)
PICTURE CONT
T.METER
P3001 (TO HEAD AMP)
PLAY 5V
HSW
ENV.SEL.
RF Y
GND
H.A.SW
RF C
REC C
REC Y
P3002 (TO SERVO & SYSTEM CTL)
H.A SW
ENV.SELECT
COMP VHS
S CAS
QR18 MRN1404 (M NTSC (H) : ON)
QR19 MRN1404 (SECAM (H) : ON)
QR20 MRN1404 (M NTSC (H) or SECAM (H) : ON)
IC3 NJM2233BMA
FL3 VLF0878
5MHz L.P.F
FL4 VLF0639
FL6 ELB4M022
IC4 VEFH07C
IC5 M52065FP
IC6 VEFH05BT
IC7 M52054SP
Q26
QR1 MRN1404 (S-VHS (H) : ON)
QR2 MRN1404 (POWER ON : ON)
QR3 MRN1404 (S-VHS (L) : ON)
QR4 UN2110 (S-VHS (L) : ON)
NOT USED
D6 MA151K
D7 MA151WK
D8 1SS283
D3 MA151K
TP3005 REC/PLAY 360mVp-p
TP3004 PLAY 240mVp-p
TP3006 PLAY 310mVp-p
Q13 MSB709 (BUFFER)
Q14 MSC2295 (AMP)
QR14 DTC363EK (S CAS (L) : OFF)
Q15 MSD601 (BUFFER)
QR13 MRN1404 (B/W (H) : ON)
Q27 MSC2295 (BUFFER)
Q17 MSD601 (BUFFER)
DET
LOG
PEAKNG
EE/VV DET
6dB
GCA1
GCA2
GCA3
HPF
LIM
SW1
SW2
SW3
SW4
SW5
SW6
SW7
SW8
DC AMP
S.LIM
COS EO
T.M
VDD
GND
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7

O MAIN SIGNAL PATH IN REC MODE (S-VHS)
O MAIN SIGNAL PATH IN REC MODE (VHS)

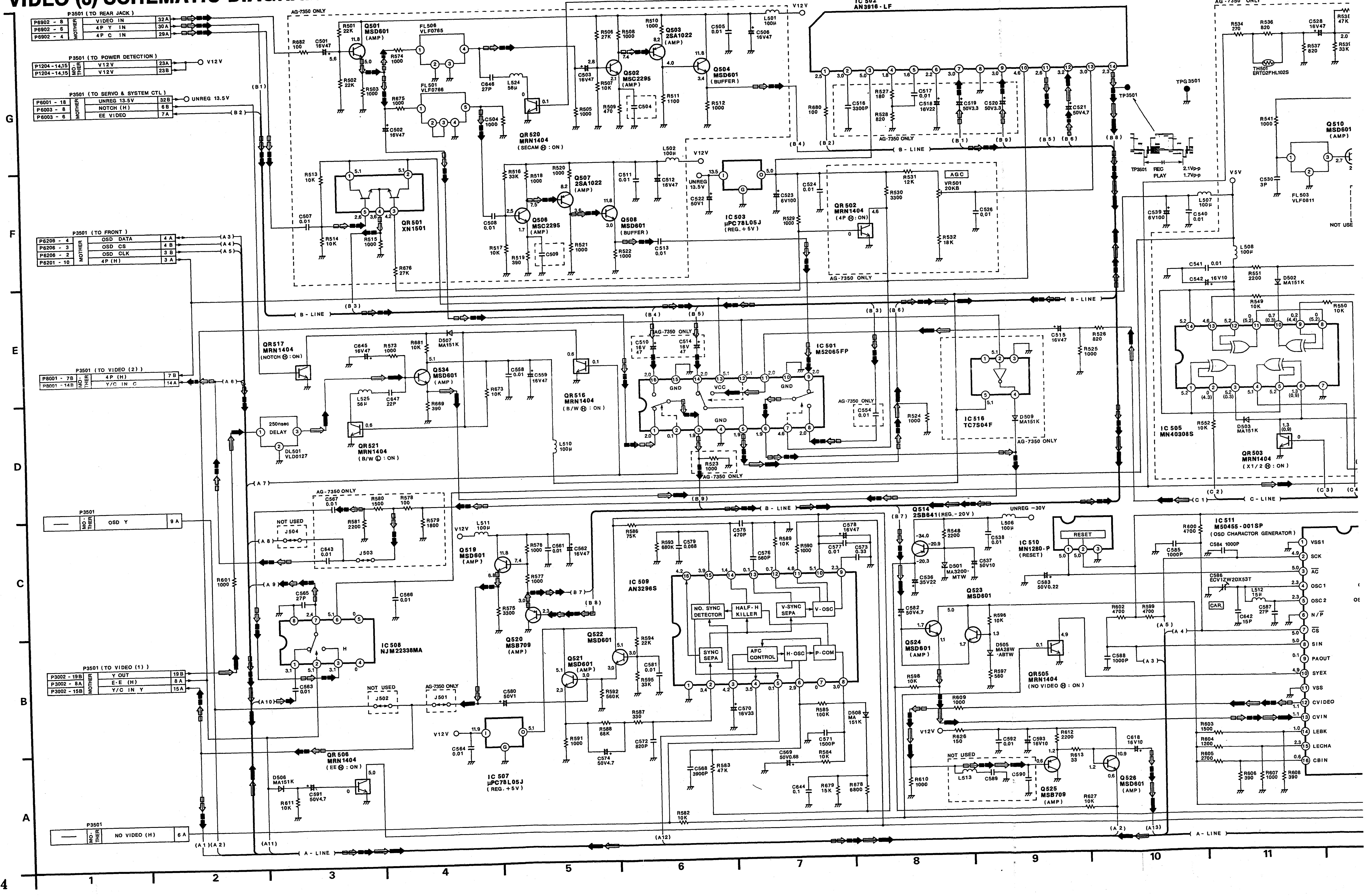
▬ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)
▭ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)


AG-7350 ONLY
A - LINE
B - LINE
C - LINE
NOT USED
IC1 NJM22338MA
IC2 MN74C4053S
IC2 MN74HC4053S
IC3 NJM22338MA
IC4 VEFH07C
IC5 MS2065FP
IC6 VEFH05BT
IC7 MS2054SP
Q1 MSD601 (AMP)
Q2 MSD601 (AMP)
Q5 MSD601 (BUFFER)
Q8 MSC2295 (AMP)
Q9 MSB709 (AMP)
Q10 2SA1022 (BUFFER)
Q11 MSC2295 (AMP)
Q12 2SD1330 (REC : OFF)
Q16 MSD601 (BUFFER)
Q17 MSD601 (BUFFER)
Q18 MSD601
Q19 MSC2295
Q20 MSC2295 (AMP)
Q21 MSC2295 (AMP)
Q22 MSB709 (AMP)
Q23 MSC2295 (AMP)
Q24 MSC2295 (AMP)
Q25 MSC2295 (EQ AMP)
Q26
Q27 MSC2295 (BUFFER)
Q28 MSD601 (BUFFER)
Q29 MSD601 (BUFFER)
Q30 MSC2295 (INV.)
QR1 MRN1404 (S-VHS Ⓗ:ON)
QR2 MRN1404 (POWER ON:ON)
QR3 MRN1404 (S-VHS Ⓛ:ON)
QR4 UN2110 (S-VHS Ⓛ:ON)
QR5 UN1113 (INV.)
QR6 MRN1404 (S VHS Ⓗ:ON)
QR8 MRN1403 (INV.)
QR15 MRN1404 (EE Ⓗ:ON)
QR16 MRN1404 (INV.)
QR17 MRN1404 (INV.)
QR19 MRN1404 (SECAM Ⓗ:ON)
QR21 MRN2404 (REC : ON)
QR22 MRN1404 (INV.)
FL1 VLF0499
FL2 ELB4L121
FL3 VLF0878
FL4 VLF0639
FL6 ELB4M022
FL7 ELB4R031 102n sec. DL
FL8 ELB4K114
FL9 ELB4K114
5MHz L.P.F
TP3001 REC 820mVp-p
TP3003 REC 1.1Vp-p
TP3007 PLAY 90mVp-p
TP3002
TP3005
S-PB1
S-PB2
REC S LEY
VHS REC Y
(H.P.F.)
(SUB LIM.)
DET
PEAKNG
LOG
EE/VV DET
6dB
GCA1
GCA2
GCA3
HPF
LIM
DC AMP
S.LIM
COS EO
T.M
SW1
SW2
SW3
SW4
SW5
SW6
SW7
SW8
VDD
GND
VCC
5
6
7
8
9
10
11
12
13
14
15
16
REF. NO 3000 SERIES

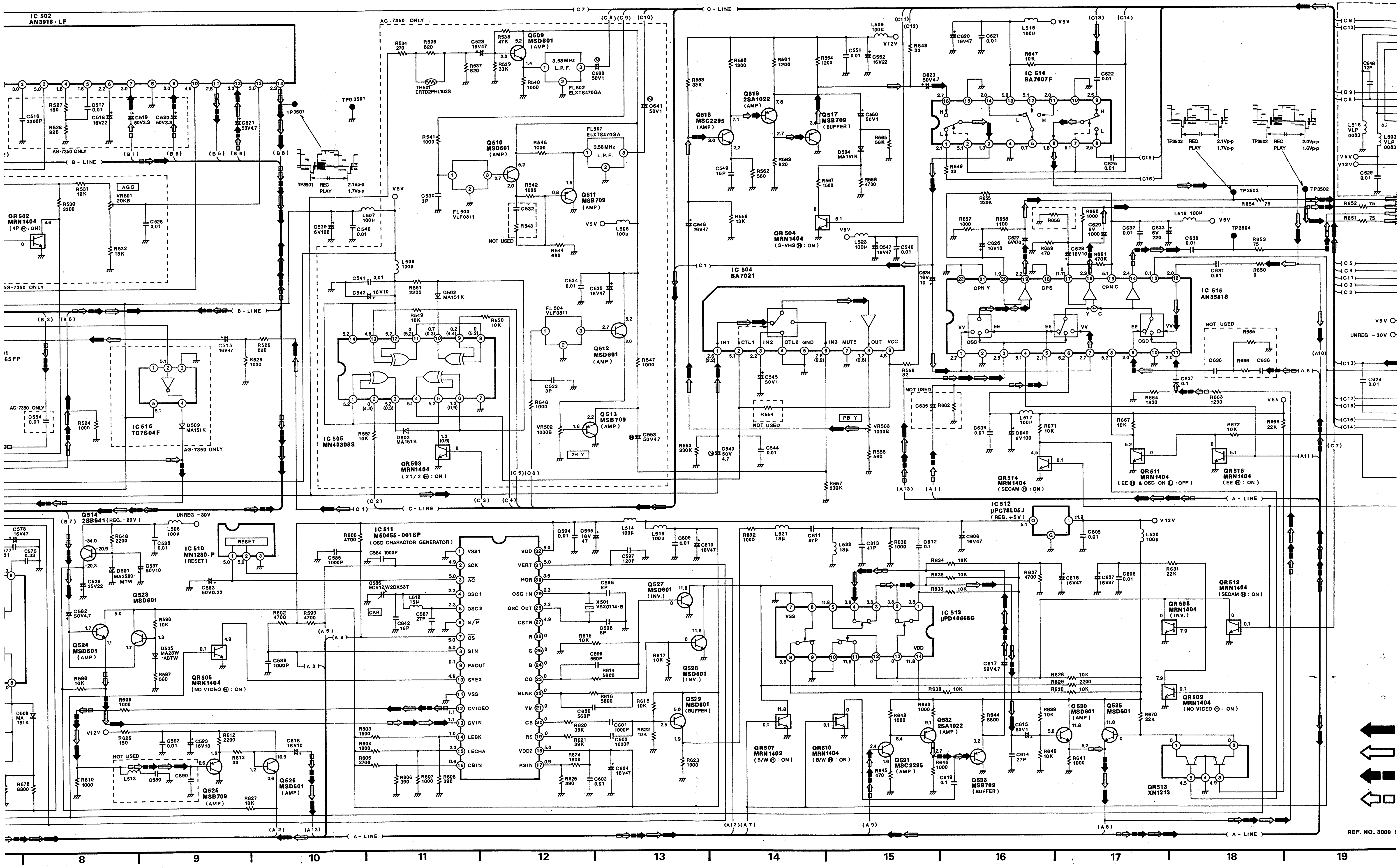
S-VHS)
VHS)

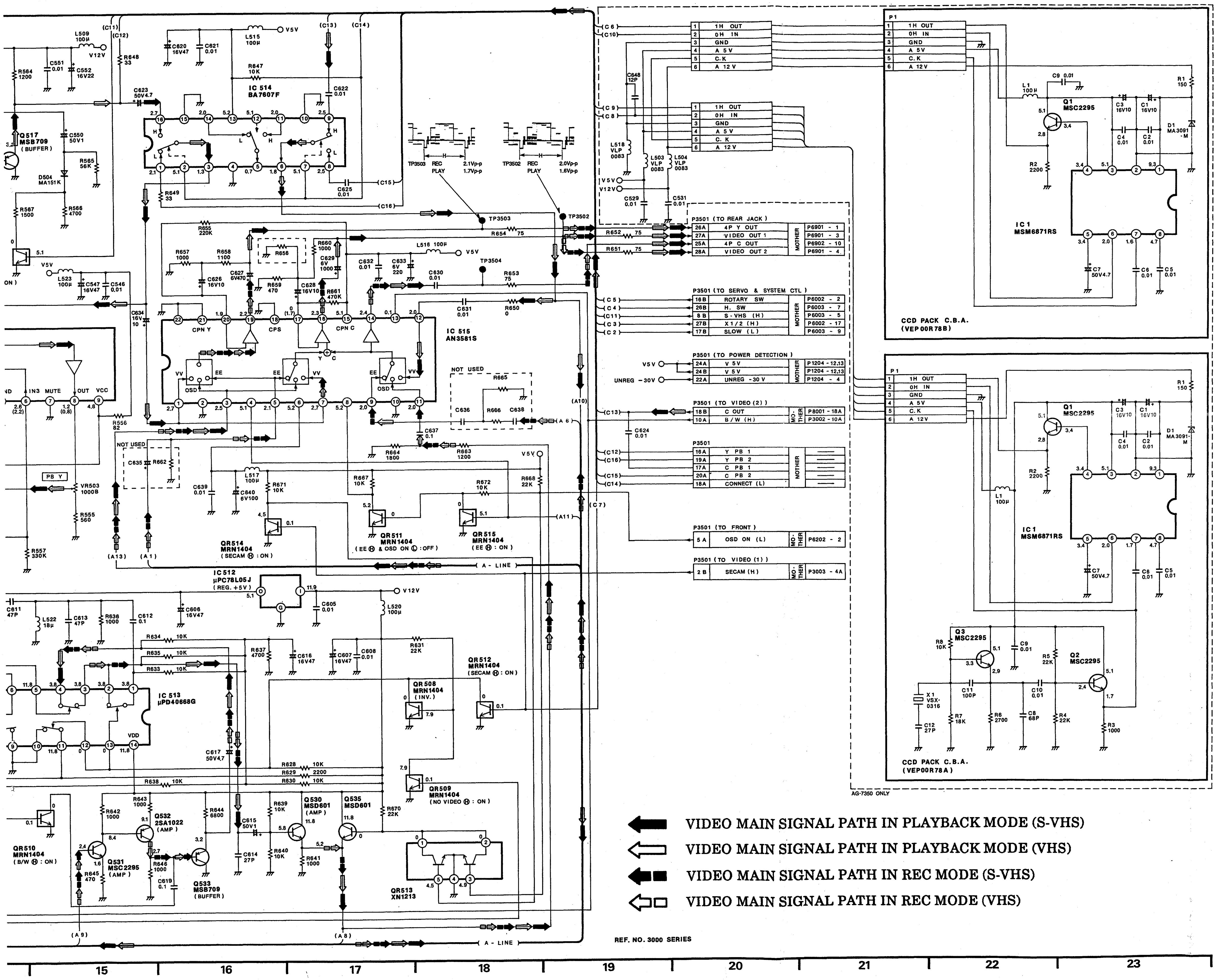

A - LINE
AG-7350 ONLY
FL2 ELB4L121
FL1 VLF0499
Q1 MSD601 (AMP)
Q2 MSD601 (AMP)
TP3003
TP3003 REC 1.1Vp-p
QR6 MRN1404 (S VHS H :ON)
TP3001
TP3001 REC 820mVp-p
QR5 UN1113 (INV.)
L6 VLP0083
Q28 MSD601 (BUFFER)
IC2 MN74C4053S
IC2 MN74HC4053S
Q30 MSC2295 (INV.)
Q5 MSD601 (BUFFER)
D2 MA151K
VHS REC Y
P3002 (TO SERVO & SYSTEM CTL)
EE L 30B MOTHER P6002-10
P3002 (TO VIDEO (2))
REC C 6A P8001-6B
EE H 8A P8001-8A
PLAY 5V 7AB P8001-7B
L7 VLP0083
P3002 (TO SERVO & SYSTEM CTL)
D REC L 30A MOTHER P6002-12
REC H 29A P6002-5
P3002 (TO POWER DETECTION)
5V 24AB MOTHER P1204-12,13
12V 23AB P1204-14,15
TP3002
NOT USED
Q10 2SA1022 (BUFFER)
Q8 MSC2295 (AMP)
Q9 MSB709 (AMP)
REC S LEY
S-PB 2
Q11 MSC2295 (AMP)
QR7
QR10
QR12
QR11
Q12 2SD1330 (REC : OFF)
QR8 MRN1403 (INV.)
QR21 MRN2404 (REC : ON)
QR22 MRN1404 (INV.)
L15 VLP0083
TPG3001
Q29 MSD601 (BUFFER)
(H.P.F.)
Q18 MSD601
Q19 MSC2295
Q25 MSC2295 (EQ AMP)
FL7 ELB4R031 102n sec. DL
Q20 MSC2295 (AMP)
Q21 MSC2295 (AMP)
Q22 MSB709 (AMP)
FL9 ELB4K114
Q23 MSC2295 (AMP)
Q24 MSC2295 (AMP)
P3002 (TO VIDEO (2))
PB CPS (H) 12A MOTHER P8001-12B
IC8 AN6308S
VCC GND NC
74HC4053S
C - LINE
REF. NO 3000 SERIES
11
12
13
14
15
16
17
18

VIDEO (3) SCHEMATIC DIAGRAM


P3501 (TO REAR JACK)
P6902 - 8 VIDEO IN 32A
P6902 - 6 4P Y IN 30A
P6902 - 4 4P C IN 29A
P3501 (TO POWER DETECTION)
P1204 - 14,15 V12V 23A
P1204 - 14,15 V12V 23B
P3501 (TO SERVO & SYSTEM CTL)
P6001 - 18 UNREG 13.5V 32B
P6003 - 8 NOTCH (H) 6B
P6003 - 6 EE VIDEO 7A
P3501 (TO FRONT)
P6206 - 4 OSD DATA 4A
P6206 - 3 OSD CS 4B
P6206 - 2 OSD CLK 3B
P6201 - 10 4P (H) 3A
P3501 (TO VIDEO (2))
P8001 - 7B 4P (H) 7B
P8001 - 14B Y/C IN C 14A
P3501 OSD Y 9A
P3501 (TO VIDEO (1))
P3002 - 19B Y OUT 19B
P3002 - 8A E-E (H) 8A
P3002 - 15B Y/C IN Y 15A
P3501 NO VIDEO (H) 6A
AG-7350 ONLY
Q501 MSD601 (AMP)
Q502 MSC2295 (AMP)
Q503 2SA1022 (AMP)
Q504 MSD601 (BUFFER)
FL506 VLF0765
FL501 VLF0766
QR520 MRN1404 (SECAM H : ON)
IC 502 AN3916-LF
QR501 XN1501
Q506 MSC2295 (AMP)
Q507 2SA1022 (AMP)
Q508 MSD601 (BUFFER)
IC 503 µPC78L05J (REG. +5V)
QR502 MRN1404 (4P H : ON)
AGC
VR501 20KB
TP3501
TPG3501
REC PLAY 2.1Vp-p 1.7Vp-p
Q510 MSD601 (AMP)
FL503 VLF0811
NOT USE
B - LINE
QR517 MRN1404 (NOTCH H : ON)
Q534 MSD601 (AMP)
QR516 MRN1404 (B/W H : ON)
250nsec DELAY
DL501 VLD0127
QR521 MRN1404 (B/W L : ON)
IC 501 M52065FP
IC 516 TC7S04F
IC 505 MN4030BS
QR503 MRN1404 (X1/2 H : ON)
C - LINE
IC 508 NJM2233BMA
Q519 MSD601 (AMP)
Q520 MSB709 (AMP)
Q521 MSD601 (AMP)
Q522 MSD601
IC 509 AN3296S
NO. SYNC DETECTOR
HALF-H KILLER
V-SYNC SEPA
V-OSC
SYNC SEPA
AFC CONTROL
H-OSC
P-COM
Q514 2SB641 (REG. -20V)
UNREG -30V
IC 510 MN1280-P (RESET)
IC 511 M50455-001SP (OSD CHARACTOR GENERATOR)
Q523 MSD601
Q524 MSD601 (AMP)
QR505 MRN1404 (NO VIDEO H : ON)
Q525 MSB709 (AMP)
Q526 MSD601 (AMP)
IC 507 µPC78L05J (REG. +5V)
QR506 MRN1404 (EE H : ON)
J501 J502 J503 J504
NOT USED
A - LINE
VSS1 SCK AC OSC1 OSC2 N/P CS SIN PAOUT SYEX VSS CVIDEO CVIN LEBK LECHA CBIN
1 2 3 4 5 6 7 8 9 10 11
A B C D E F G

VIDE-V11134 / Druck47


IC 502
AN3916-LF
AG-7350 ONLY
TP3501
TPG3501
REC
PLAY
2.1Vp-p
1.7Vp-p
B-LINE
C-LINE
A-LINE
AGC
VR501 20KB
QR 502 MRN1404 (4P Ⓗ : ON)
Q509 MSD601 (AMP)
3.58MHz L.P.F.
FL502 ELXTS470GA
TH501 ERTD2FHL102S
Q510 MSD601 (AMP)
Q511 MSB709 (AMP)
FL507 ELXTS470GA
FL503 VLF0811
NOT USED
IC 516 TC7S04F
D509 MA151K
IC 505 MN40308S
D502 MA151K
D503 MA151K
QR 503 MRN1404 (X1/2 Ⓗ : ON)
FL 504 VLF0811
Q512 MSD601 (AMP)
Q513 MSB709 (AMP)
VR502 1000B
2H Y
Q515 MSC2295 (AMP)
Q516 2SA1022 (AMP)
Q517 MSB709 (BUFFER)
D504 MA151K
QR 504 MRN1404 (S-VHS Ⓗ : ON)
IC 504 BA7021
IN1 CTL1 IN2 CTL2 GND IN3 MUTE OUT VCC
PB Y
VR503 1000B
IC 514 BA7607F
IC 515 AN3581S
CPN Y CPS CPN C
EE VV OSD
TP3503
TP3502
TP3504
2.0Vp-p
1.6Vp-p
QR514 MRN1404 (SECAM Ⓗ : ON)
QR511 MRN1404 (EE Ⓗ & OSD ON Ⓛ : OFF)
QR515 MRN1404 (EE Ⓗ : ON)
IC512 µPC78L05J (REG. +5V)
Q514 2SB641 (REG. -20V)
UNREG -30V
D501 MA3200-MTW
Q523 MSD601
Q524 MSD601 (AMP)
D505 MA28W-ABTW
IC 510 MN1280-P (RESET)
RESET
QR505 MRN1404 (NO VIDEO Ⓗ : ON)
Q525 MSB709 (AMP)
Q526 MSD601 (AMP)
IC 511 M50455-001SP (OSD CHARACTOR GENERATOR)
VSS1 SCK AC OSC1 OSC2 N/P CS SIN PAOUT SYEX VSS CVIDEO CVIN LEBK LECHA CBIN
VDD VERT HOR OSC IN OSC OUT CSTN R G B CO BLNK YM CB RS VDD2 RSIN
X501 VSX0114-B
CAR.
Q527 MSD601 (INV.)
Q528 MSD601 (INV.)
Q529 MSD601 (BUFFER)
IC 513 µPD40668G
QR507 MRN1402 (B/W Ⓗ : ON)
QR510 MRN1404 (B/W Ⓗ : ON)
Q531 MSC2295 (AMP)
Q532 2SA1022 (AMP)
Q533 MSB709 (BUFFER)
Q530 MSD601 (AMP)
Q535 MSD601
QR508 MRN1404 (INV.)
QR512 MRN1404 (SECAM Ⓗ : ON)
QR509 MRN1404 (NO VIDEO Ⓗ : ON)
QR513 XN1213
V5V
V12V
UNREG -30V
REF. NO. 3000
8
9
10
11
12
13
14
15
16
17
18
19


IC 514
BA7607F
IC 515
AN3581S
IC 512
μPC78L05J
(REG. +5V)
IC 513
μPD4066BG
Q517
MSB709
(BUFFER)
D504
MA151K
QR514
MRN1404
(SECAM ⊕ : ON)
QR511
MRN1404
(EE ⊕ & OSD ON Ⓛ : OFF)
QR515
MRN1404
(EE ⊕ : ON)
QR512
MRN1404
(SECAM ⊕ : ON)
QR508
MRN1404
(INV.)
QR509
MRN1404
(NO VIDEO ⊕ : ON)
QR510
MRN1404
(B/W ⊕ : ON)
Q531
MSC2295
(AMP)
Q532
2SA1022
(AMP)
Q533
MSB709
(BUFFER)
Q530
MSD601
(AMP)
Q535
MSD601
QR513
XN1213
TP3503
TP3502
TP3504
REC
PLAY
2.1Vp-p
1.7Vp-p
2.0Vp-p
1.6Vp-p
NOT USED
CPN Y
CPS
CPN C
OSD
PB Y
VR503
1000B
V5V
V12V
UNREG -30V
A - LINE
P3501 (TO REAR JACK)
4P Y OUT
VIDEO OUT 1
4P C OUT
VIDEO OUT 2
P3501 (TO SERVO & SYSTEM CTL)
ROTARY SW
H. SW
S-VHS (H)
X1/2 (H)
SLOW (L)
P3501 (TO POWER DETECTION)
P3501 (TO VIDEO (2))
C OUT
B/W (H)
Y PB 1
Y PB 2
C PB 1
C PB 2
CONNECT (L)
P3501 (TO FRONT)
OSD ON (L)
P3501 (TO VIDEO (1))
SECAM (H)
MOTHER
1H OUT
0H IN
GND
A 5V
C.K
A 12V
P1
Q1
MSC2295
Q2
MSC2295
Q3
MSC2295
IC1
MSM6871RS
D1
MA3091-M
X1
VSX-0316
CCD PACK C.B.A.
(VEP00R78B)
CCD PACK C.B.A.
(VEP00R78A)
AG-7350 ONLY
15
16
17
18
19
20
21
22
23

⬅ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)

⇦ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)

⬅■ VIDEO MAIN SIGNAL PATH IN REC MODE (S-VHS)

⇦□ VIDEO MAIN SIGNAL PATH IN REC MODE (VHS)

REF. NO. 3000 SERIES

VIDEO (3) C.B.A.		
Transistor		
Q3501	A-7	©
Q3502	A-5	Ⓕ
Q3503	A-5	Ⓕ
Q3504	A-6	©
Q3506	A-5	Ⓕ
Q3507	A-5	Ⓕ
Q3508	A-7	©
Q3509	A-1	Ⓕ
Q3510	B-2	Ⓕ
Q3511	B-2	Ⓕ
Q3511	B-7	©
Q3512	C-1	Ⓕ
Q3513	C-2	Ⓕ
Q3514	A-3	Ⓕ
Q3514	A-8	©
Q3515	B-2	Ⓕ
Q3516	B-3	Ⓕ
Q3517	B-2	Ⓕ
Q3519	B-5	Ⓕ
Q3520	B-7	©
Q3521	B-5	Ⓕ
Q3522	B-6	©
Q3523	B-5	Ⓕ
Q3524	B-5	Ⓕ
Q3525	B-4	Ⓕ
Q3526	A-4	Ⓕ
Q3527	B-4	Ⓕ
Q3528	B-4	Ⓕ
Q3529	B-4	Ⓕ
Q3531	A-8	©
Q3532	B-8	©
Q3533	B-4	Ⓕ
Q3534	A-2	Ⓕ
Transistor & Resistor		
QR3501	A-7	©
QR3502	B-5	Ⓕ
QR3503	A-4	Ⓕ
QR3504	A-2	Ⓕ
QR3505	B-7	©
QR3506	B-4	Ⓕ
QR3507	B-8	©
QR3508	B-3	Ⓕ
QR3509	A-4	Ⓕ
QR3510	B-8	©
QR3511	A-2	Ⓕ
QR3512	A-10	©
QR3513	A-2	Ⓕ
QR3514	A-2	Ⓕ
QR3515	A-2	Ⓕ
QR3516	A-2	Ⓕ
QR3517	A-2	Ⓕ
QR3520	A-5	Ⓕ
QR3521	A-10	©
QR3530	B-3	Ⓕ
QR3535	B-3	Ⓕ
Integrated Circuit		
IC3501	A-6	©
IC3502	B-5	Ⓕ
IC3502	B-6	©
IC3503	A-4	Ⓕ
IC3503	A-8	©
IC3504	C-2	Ⓕ
IC3504	C-9	©
IC3505	A-10	©
IC3507	C-5	Ⓕ
IC3507	C-7	©
IC3508	A-5	Ⓕ
IC3509	B-7	©
IC3510	C-4	Ⓕ
IC3510	C-7	©
IC3511	B-4	Ⓕ
IC3512	C-4	Ⓕ
IC3512	C-8	©
IC3513	B-8	©
IC3514	B-9	©
IC3515	B-8	©
IC3516	A-5	Ⓕ
Test Point		
TP3501	B-5	Ⓕ
TP3501	B-7	©
TP3502	C-3	Ⓕ
TP3502	C-9	©
TP3503	C-3	Ⓕ
TP3503	C-9	©
TP3504	C-3	Ⓕ
TP3504	C-9	©
TPG3501	C-2	Ⓕ
Adjustment		
C3586	B-4	Ⓕ
C3586	B-7	©
VR3501	B-5	Ⓕ
VR3501	C-6	©
VR3502	B-2	Ⓕ
VR3502	C-10	©
VR3503	C-2	Ⓕ
VR3503	C-9	©
Connector		
P3501	A-3	Ⓕ
P3501	A-9	©

ADDRESS INFORMATION
©...COMPONENT SIDE
Ⓕ...FOIL SIDE

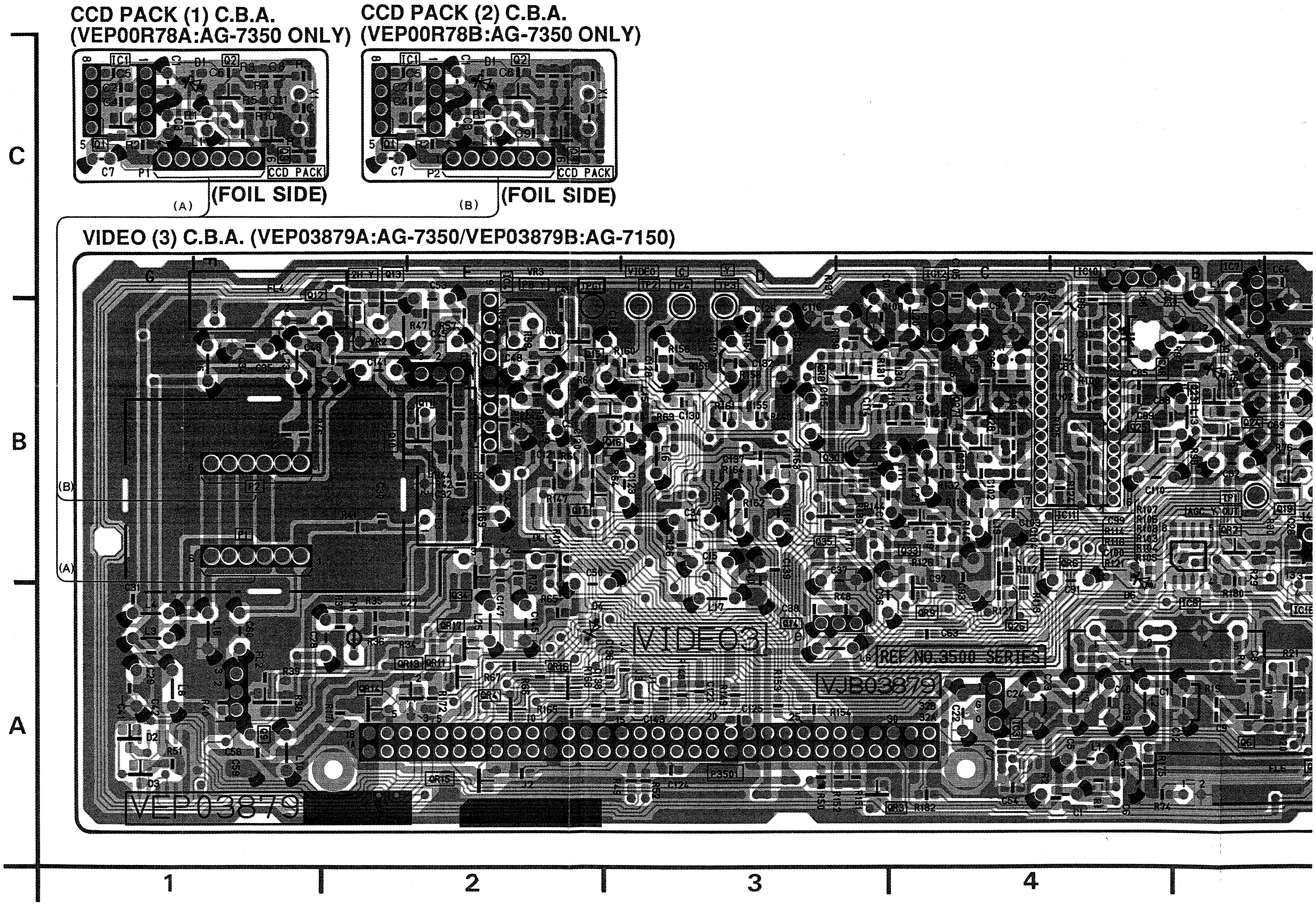
CCD PACK (1) C.B.A.	
Transistor	
Q1	C-1
Q2	C-1
Q3	C-1
Integrated Circuit	
IC1	C-1
Connector	
P1	C-1

ADDRESS INFORMATION
©...COMPONENT SIDE
Ⓕ...FOIL SIDE

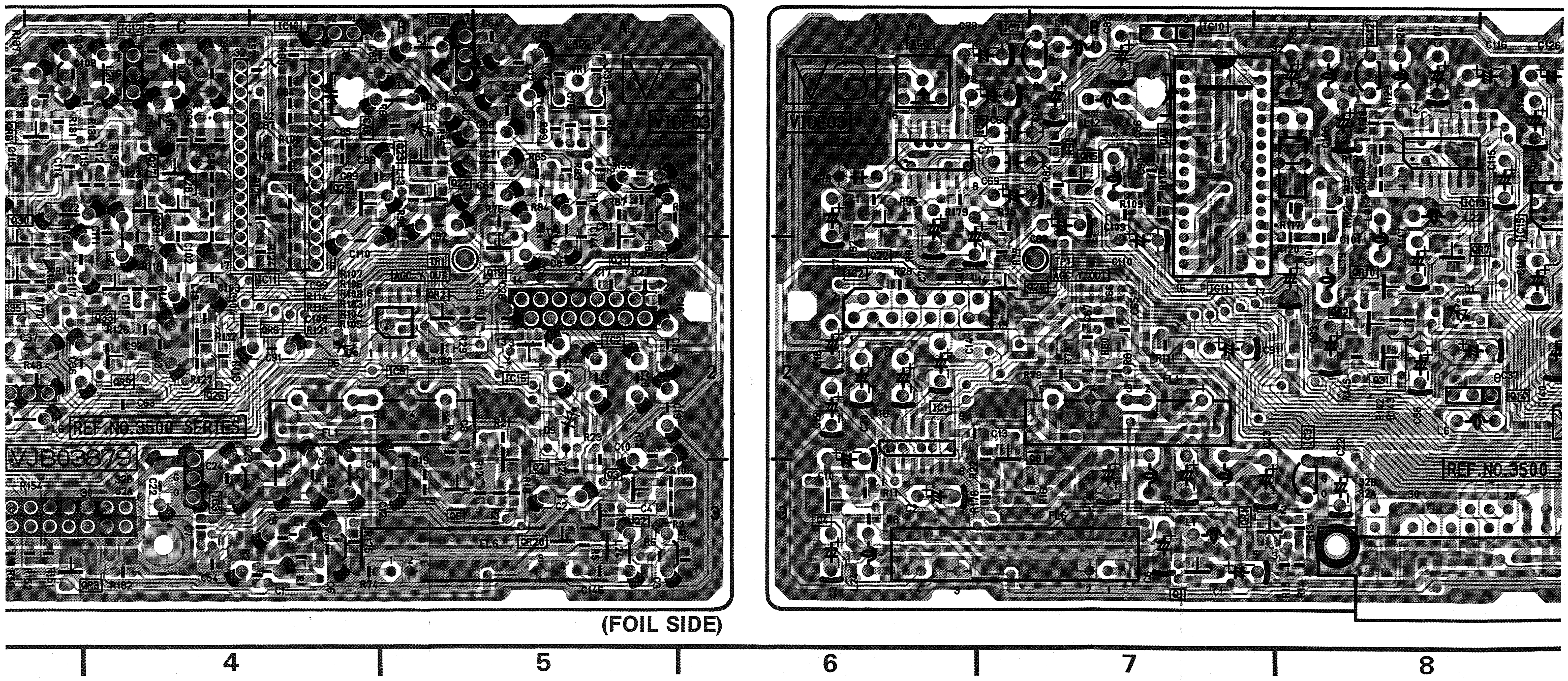
CCD PACK (2) C.B.A.	
Transistor	
Q1	C-2
Q2	C-2
Q3	C-2
Integrated Circuit	
IC1	C-2
Connector	
P1	C-2

ADDRESS INFORMATION
©...COMPONENT SIDE
Ⓕ...FOIL SIDE

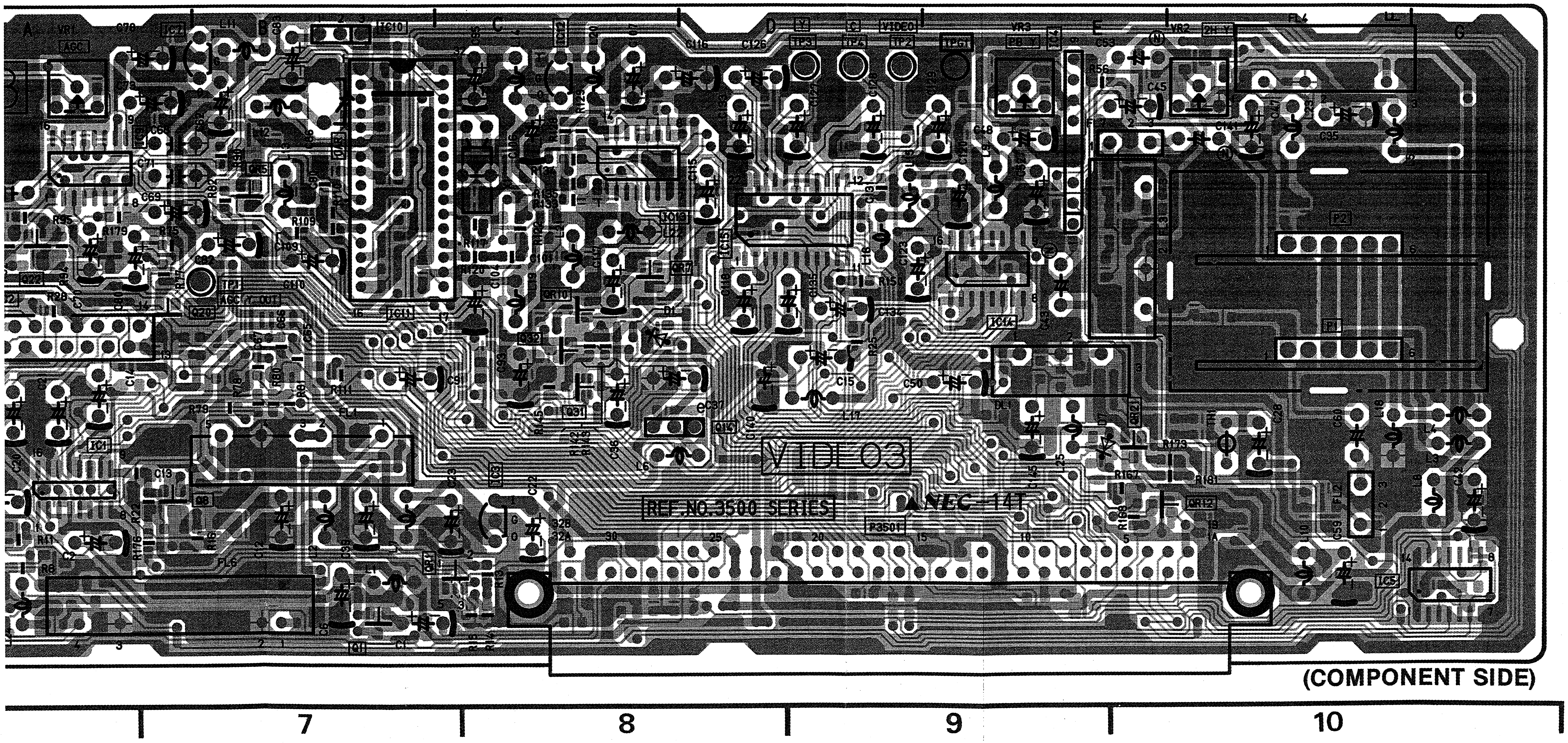
VIDEO (3) C.B.A. (VEP03879A: AG-7350/VEP03879B: AG-7150), CCD PACK (1) C.B.A. (VEP00R78A) AND CCD PACK (2) C.B.A. (VEP00R7


CCD PACK (1) C.B.A.
(VEP00R78A:AG-7350 ONLY)
CCD PACK (2) C.B.A.
(VEP00R78B:AG-7350 ONLY)
CCD PACK
(FOIL SIDE)
(A)
(B)
P1
P2
VIDEO (3) C.B.A. (VEP03879A:AG-7350/VEP03879B:AG-7150)
VIDEO3
REF.NO.3500 SERIES
VJB03879
VEP03879
P3501
AGC Y OUT
C
B
A
1
2
3
4

(VEP00R78A) AND CCD PACK (2) C.B.A. (VEP00R78B)


V3
VIDE03
AGC
VR1
AGC Y OUT
TP1
REF.NO.3500 SERIES
VJB03879
REF.NO.3500
A
B
C
1
2
3
4
5
6
7
8

(FOIL SIDE)


VIDL03
REF.NO.3500 SERIES
NEC-14T
P3501
VR1
AGC
VR3
PB Y
VR2
2H Y
TP1
TP2
TP3
TP4
TP5
IC1
IC5
IC10
IC11
IC14
DL1
FL1
FL4
FL6
7
8
9
10

(COMPONENT SIDE)

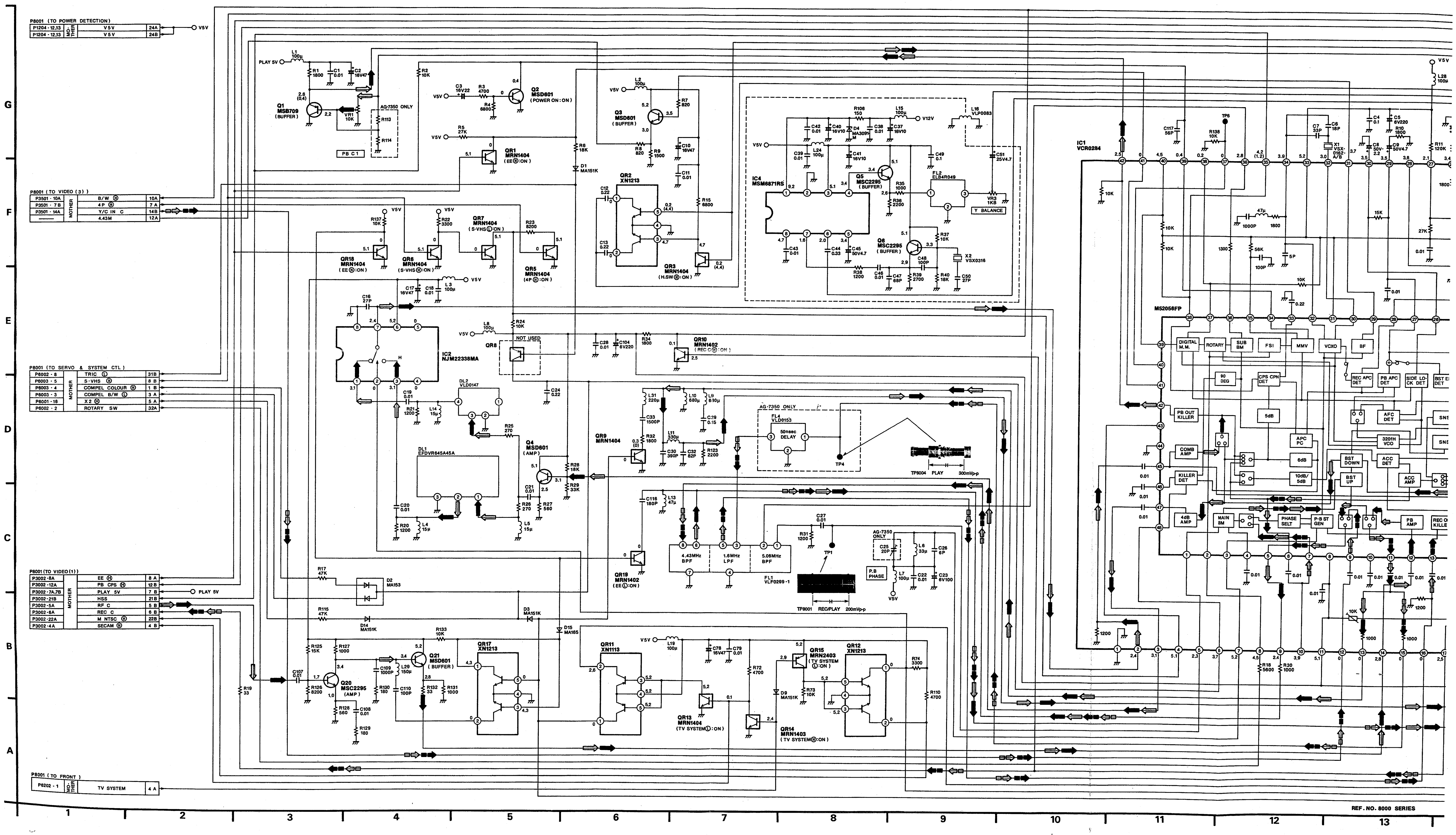
VIDEO (2) SCHEMATIC DIAGRAM

◀■ VIDEO MAIN SIGNAL PATH IN REC MODE (S-VHS)

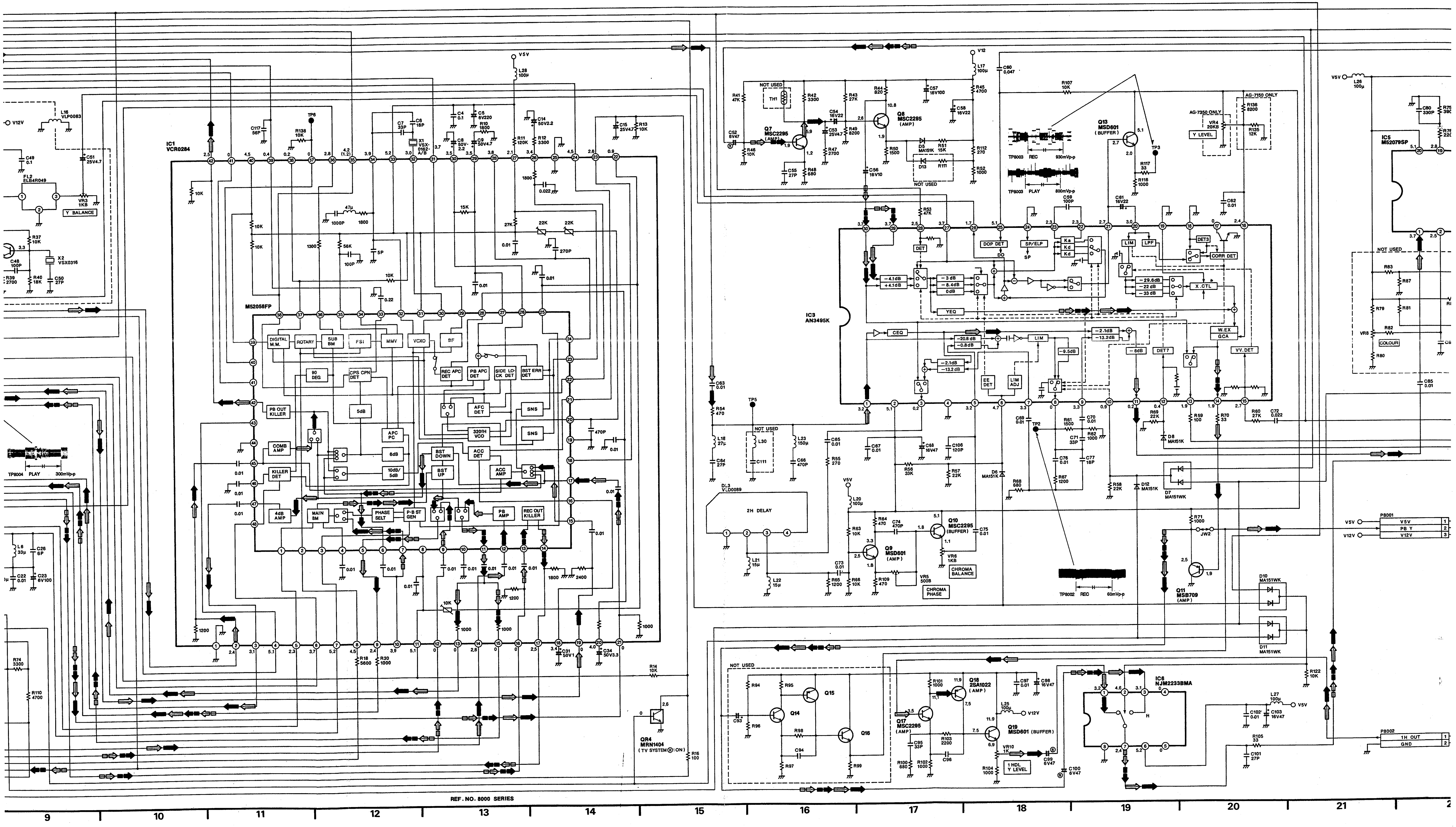
◁□ VIDEO MAIN SIGNAL PATH IN REC MODE (VHS)

◀■ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)

◁ VIDEO MA


P8001 (TO POWER DETECTION)
P1204-12,13 V5V 24A
P1204-12,13 V5V 24B
V5V
PLAY 5V
P8001 (TO VIDEO (3))
P3501-10A B/W 10A
P3501-7B 4P 7A
P3501-14A Y/C IN C 14B
4.43M 12A
P8001 (TO SERVO & SYSTEM CTL)
P6002-8 TRIC 31B
P6003-5 S-VHS 8B
P6003-4 COMPEL COLOUR 1B
P6003-3 COMPEL B/W 3A
P6001-18 X2 5A
P6002-2 ROTARY SW 32A
P8001 (TO VIDEO (1))
P3002-8A EE 8A
P3002-12A PB CPS 12B
P3002-7A,7B PLAY 5V 7B
P3002-21B HSS 21B
P3002-5A RF C 5B
P3002-6A REC C 6B
P3002-22A M NTSC 22B
P3002-4A SECAM 4B
P8001 (TO FRONT)
P6202-1 TV SYSTEM 4A
MOTHER
Q1 MSB709 (BUFFER)
Q2 MSD601 (POWER ON:ON)
Q3 MSD601 (BUFFER)
Q4 MSD601 (AMP)
Q5 MSC2295 (BUFFER)
Q6 MSC2295 (BUFFER)
Q20 MSC2295 (AMP)
Q21 MSD601 (BUFFER)
QR1 MRN1404
QR2 XN1213
QR3 MRN1404 (H.SW:ON)
QR5 MRN1404 (4P:ON)
QR6 MRN1404 (S-VHS:ON)
QR7 MRN1404 (S-VHS:ON)
QR8 NOT USED
QR9 MRN1404
QR10 MRN1402
QR11 XN1113
QR12 XN1213
QR13 MRN1404 (TV SYSTEM:ON)
QR14 MRN1403 (TV SYSTEM:ON)
QR15 MRN2403 (TV SYSTEM:ON)
QR17 XN1213
QR18 MRN1404 (EE:ON)
QR19 MRN1402 (EE:ON)
AG-7350 ONLY
PB C1
IC2 NJM2233BMA
IC4 MSM6871RS
IC1 VCR0284
MS2056FP
DL1 EFDVR645A45A
DL2 VLD0147
FL1 VLF0299-1
FL2 ELB4R049
FL4 VLD0153
50nsec DELAY
4.43MHz BPF
1.6MHz LPF
5.06MHz BPF
P.B PHASE
Y BALANCE
X1 VSX-0162-A/B
X2 VSX0316
TP1
TP4
TP6
TP8001 REC/PLAY 200mVp-p
TP8004 PLAY 300mVp-p
DIGITAL M.M.
ROTARY
SUB BM
FSI
MMV
VCXO
BF
90 DEG
CPS CPN DET
PB OUT KILLER
5dB
COMB AMP
KILLER DET
4dB AMP
MAIN BM
PHASE SELT
P-B ST GEN
APC PC
6dB
10dB/5dB
BST DOWN
BST UP
ACC DET
ACC AMP
3201H VCO
AFC DET
REC APC DET
PB APC DET
SIDE LOCK DET
PB AMP
REF. NO. 8000 SERIES
1 2 3 4 5 6 7 8 9 10 11 12 13
A B C D E F G

▮ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (S-VHS)   ⇦ VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE (VHS)


IC1
VCR0284
M52058FP
IC3
AN3495K
IC5
M52079SP
IC6
NJM2233BMA
Q7 MSC2295 (AMP)
Q8 MSC2295 (AMP)
Q13 MSD601 (BUFFER)
Q9 MSD601 (AMP)
Q10 MSC2295 (BUFFER)
Q11 MSB709 (AMP)
Q17 MSC2295 (AMP)
Q18 2SA1022 (AMP)
Q19 MSD601 (BUFFER)
Q14
Q15
Q16
QR4 MRN1404 (TV SYSTEM Ⓗ:ON)
DL3 V:LD0089
2H DELAY
NOT USED
AG-7350 ONLY
AG-7150 ONLY
Y LEVEL
Y BALANCE
CHROMA BALANCE
CHROMA PHASE
COLOUR
1 HDL Y LEVEL
TP8003 REC 930mVp-p
TP8003 PLAY 800mVp-p
TP8004 PLAY 300mVp-p
TP8002 REC 60mVp-p
TP2
TP3
TP5
TP6
V5V
V12V
P8001
V5V
PB Y
V12V
P8002
1H OUT
GND
DIGITAL M.M.
ROTARY
SUB BM
FSI
MMV
VCXO
BF
90 DEG
CPS CPN DET
REC APC DET
PB APC DET
SIDE LOCK DET
BST ERR DET
5dB
AFC DET
SNS
PB OUT KILLER
320fH VCO
APC PC
6dB
10dB/5dB
BST DOWN
BST UP
ACC DET
ACC AMP
COMB AMP
KILLER DET
4dB AMP
MAIN BM
PHASE SELT
P-B ST GEN
PB AMP
REC OUT KILLER
DOP DET
SP/ELP
DET
DET3
LIM
LPF
CORR DET
YEQ
X.CTL
CEQ
W.EX
GCA
VV.DET
EE DET
LIM ADJ
DET7
REF. NO. 8000 SERIES
9
10
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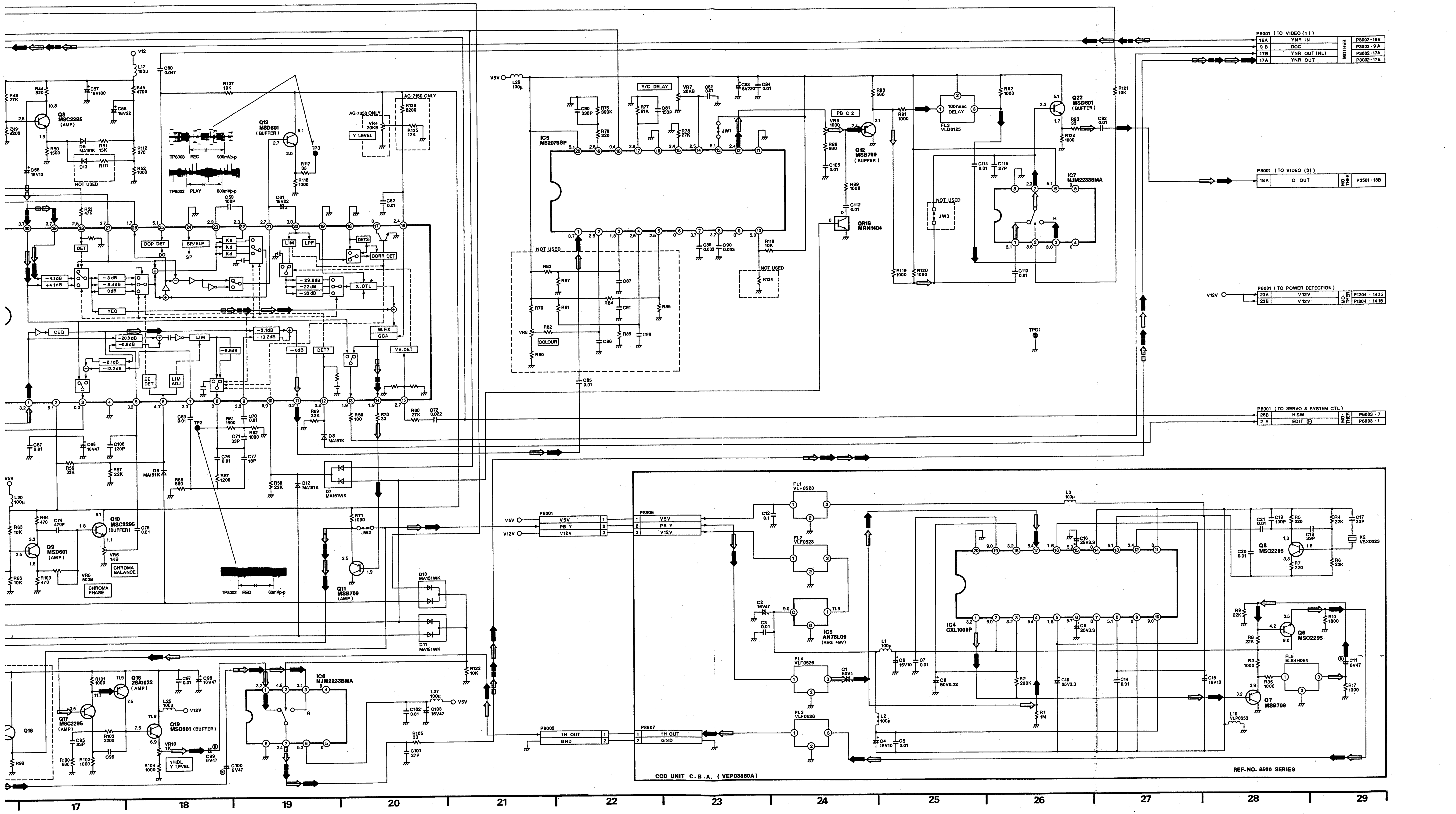
14
15
16
17
18
19
20
21


P8001 (TO VIDEO (1))
16A YNR IN P3002-18B
9B DOC P3002-9A
17B YNR OUT (NL) P3002-17A
17A YNR OUT P3002-17B
MOTHER
P8001 (TO VIDEO (3))
18A C OUT P3501-18B
P8001 (TO POWER DETECTION)
23A V12V P1204-14,15
23B V12V P1204-14,15
P8001 (TO SERVO & SYSTEM CTL)
26B H.SW P6003-7
2A EDIT P6003-1
IC5 M52079SP
Y/C DELAY
Q12 MSB709 (BUFFER)
PB C 2
QR16 MRN1404
FL3 VLD0125
100nsec DELAY
Q22 MSD601 (BUFFER)
IC7 NJM2233BMA
NOT USED
JW3
COLOUR
TPG1
Q8 MSC2295 (AMP)
Q13 MSD601 (BUFFER)
TP8003 REC 930mVp-p
TP8003 PLAY 800mVp-p
TP3
AG-7350 ONLY
AG-7150 ONLY
Y LEVEL
DOP DET
SP/ELP
DET3
CORR DET
LIM
LPF
X.CTL
YEQ
CEQ
W.EX GCA
VV.DET
DET7
EE DET
LIM ADJ
TP2
Q10 MSC2295 (BUFFER)
Q9 MSD601 (AMP)
CHROMA BALANCE
CHROMA PHASE
TP8002 REC 60mVp-p
Q11 MSB709 (AMP)
JW2
D7 MA151WK
D10 MA151WK
D11 MA151WK
Q18 2SA1022 (AMP)
Q17 MSC2295 (AMP)
Q19 MSD601 (BUFFER)
1 HDL Y LEVEL
IC6 NJM2233BMA
Q16
P8001 V5V PB Y V12V
P8506 V5V PB Y V12V
P8002 1H OUT GND
P8507 1H OUT GND
FL1 VLF0523
FL2 VLF0523
FL4 VLF0526
FL3 VLF0526
IC5 AN78L09 (REG +9V)
IC4 CXL1009P
Q8 MSC2295
X2 VSX0323
Q6 MSC2295
FL5 ELB4H054
Q7 MSB709
L10 VLP0053
CCD UNIT C.B.A. (VEP03880A)
REF.NO. 8500 SERIES
17
18
19
20
21
22
23
24
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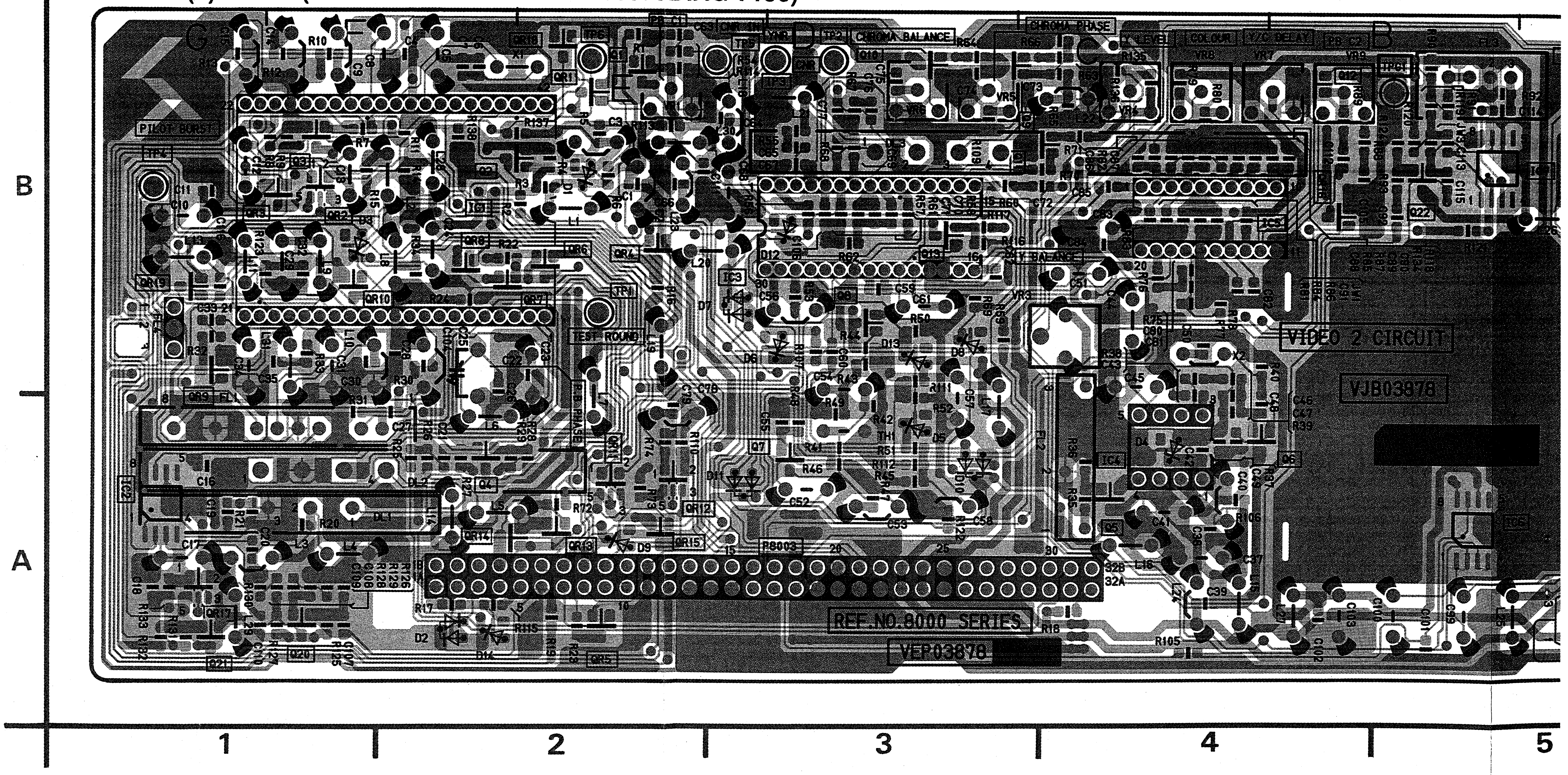
27
28
29

VIDEO (2) C.B.A. (VEP03878A: AG-7350/VEP03878B: AG-7150) AND CCD UNIT C.B.A. (VEP03880A)

VIDEO (2) C.B.A.	
Transistor	
Q3011	B-3
Q8001	B-2
Q8002	B-2
Q8003	B-1
Q8004	A-2
Q8005	A-4
Q8006	A-4
Q8007	A-3
Q8008	B-3
Q8009	B-3
Q8010	B-3
Q8012	B-4
Q8013	B-3
Q8014	A-5
Q8015	A-5
Q8016	A-5
Q8017	B-5
Q8018	B-6
Q8019	B-5
Q8020	A-1
Q8021	A-1
Q8022	B-5
Transistor & Resistor	
QR8001	B-2
QR8002	B-1
QR8003	B-1
QR8004	B-2
QR8005	A-2
QR8006	B-2
QR8007	B-2
QR8008	B-2
QR8009	B-1
QR8010	B-2
QR8011	A-2
QR8012	A-2
QR8013	A-2
QR8014	A-2
QR8015	A-2
QR8016	B-4
QR8017	A-1
QR8018	B-2
QR8019	B-1
Integrated Circuit	
IC8001	B-2
IC8002	A-1
IC8003	B-3
IC8004	A-4
IC8005	B-4
IC8006	A-5
IC8007	B-5
Test Point	
TP8001	B-2
TP8002	B-3
TP8003	B-3
TP8004	B-1
TP8005	B-3
TP8006	B-2
TPG8001	B-5
Adjustment	
C8025	B-2
VR8001	B-2
VR8003	B-3
VR8004	B-4
VR8005	B-3
VR8006	B-3
VR8007	B-4
VR8008	B-4
VR8009	B-4
VR8010	B-5
Connector	
P8001	A-5
P8002	B-5
P8003	A-3

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

VIDEO (2) C.B.A. (VEP03878A:AG-7350/VEP03878B:AG-7150)

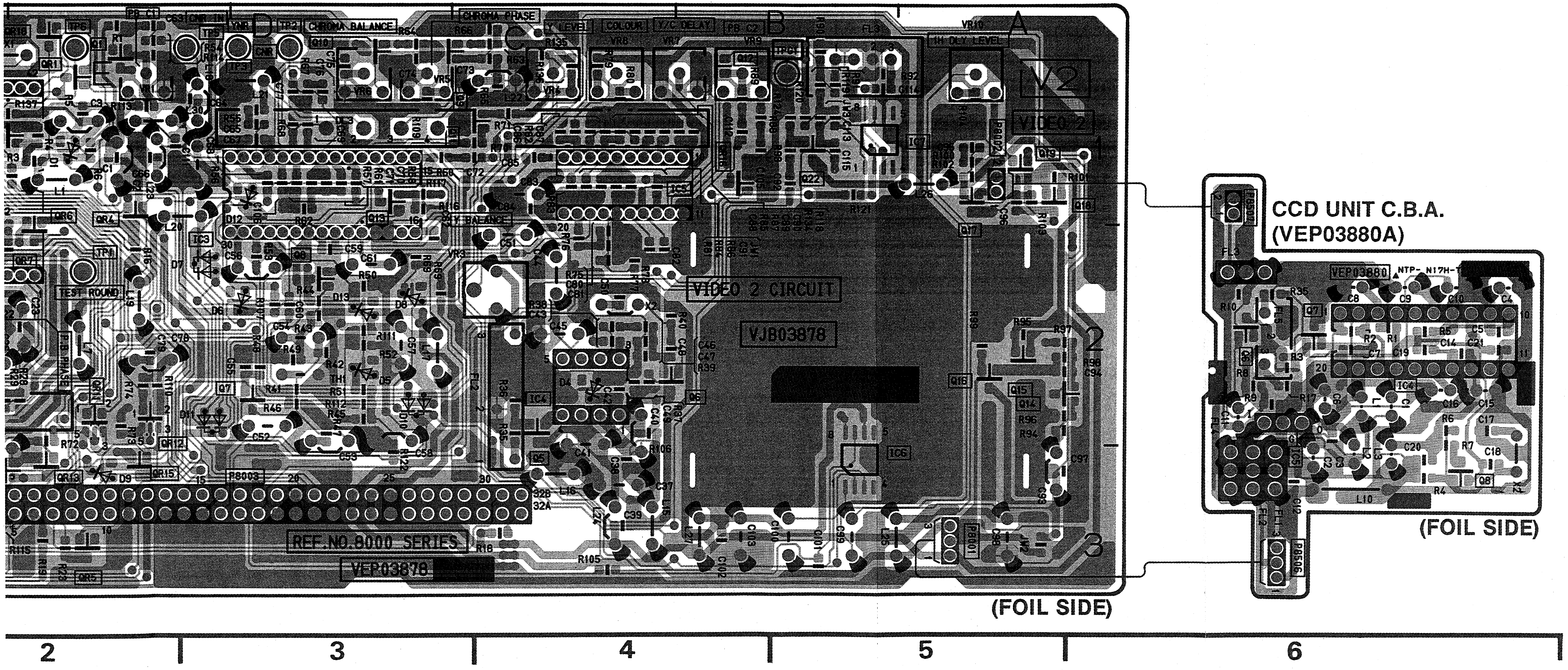

B
A
1
2
3
4
5
PILOT BURST
CHROMA BALANCE
CHROMA PHASE
Y LEVEL
COLOUR
Y/C DELAY
BALANCE
TEST ROUND
VIDEO 2 CIRCUIT
VJB03878
REF.NO.8000 SERIES
VEP03878
P8003
IC1
IC2
IC3
IC4
IC5
TP1
TP4
TP5
TP6
VR1
VR3
VR4
VR5
VR6
VR7
VR8
VR9
QR1
QR2
QR3
QR4
QR6
QR7
QR8
QR10
QR11
QR12
QR13
QR14
QR15
QR17
QR19
Q1
Q4
Q5
Q6
Q7
Q8
Q10
Q12
Q13
Q21
Q22
DL1
DL2
FL1
FL2
X1
X2
L1
L6
L16
L20
D2
D5
D6
D7
D9
D11
D13
D14
TH1
C16
C17
C19
C27
C33
C35
C39
C52
C53
C58
R18
R105

03878B: AG-7150) AND CCD UNIT C.B.A. (VEP03880A)

CCD UNIT	
Transistor	
Q8506	A-6
Q8507	B-6
Q8508	A-6
Integrated Circuit	
IC8504	A-6
IC8505	A-6
Connector	
P8507	B-6
P8506	A-6

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

350/VEP03878B:AG-7150)


CHROMA BALANCE
CHROMA PHASE
Y LEVEL
COLOUR
Y/C DELAY
PB C2
1H DLY LEVEL
VIDEO 2
V2
TEST ROUND
PB PHASE
Y BALANCE
VIDEO 2 CIRCUIT
VJB03878
REF.NO.8000 SERIES
VEP03878
P8003
P8001
VEP03880
NTP- N17H-T
P8506
P8507
A
B
C
D
1
2
3
2
3
4
5
6

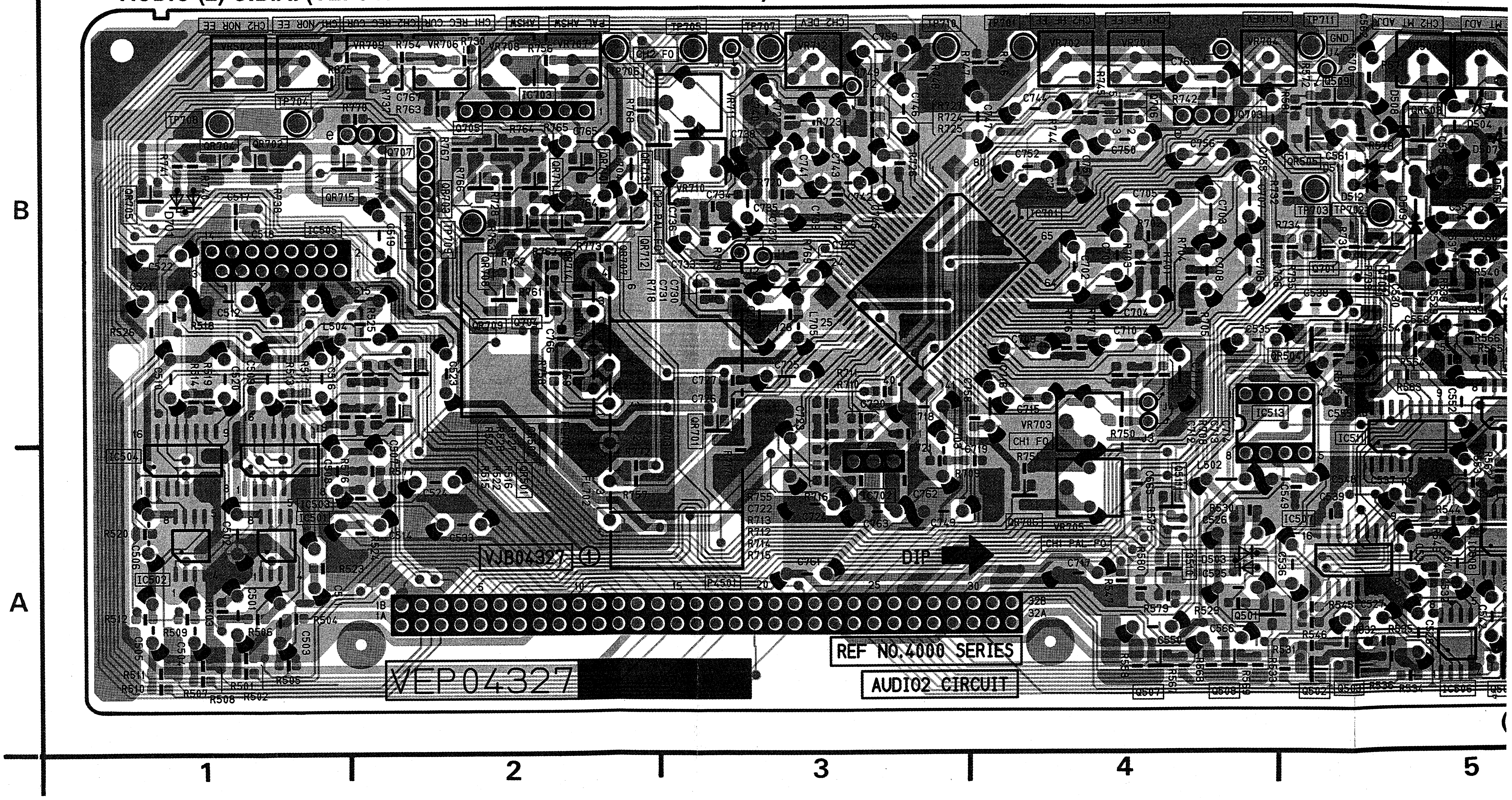
CCD UNIT C.B.A.
(VEP03880A)

(FOIL SIDE)

(FOIL SIDE)

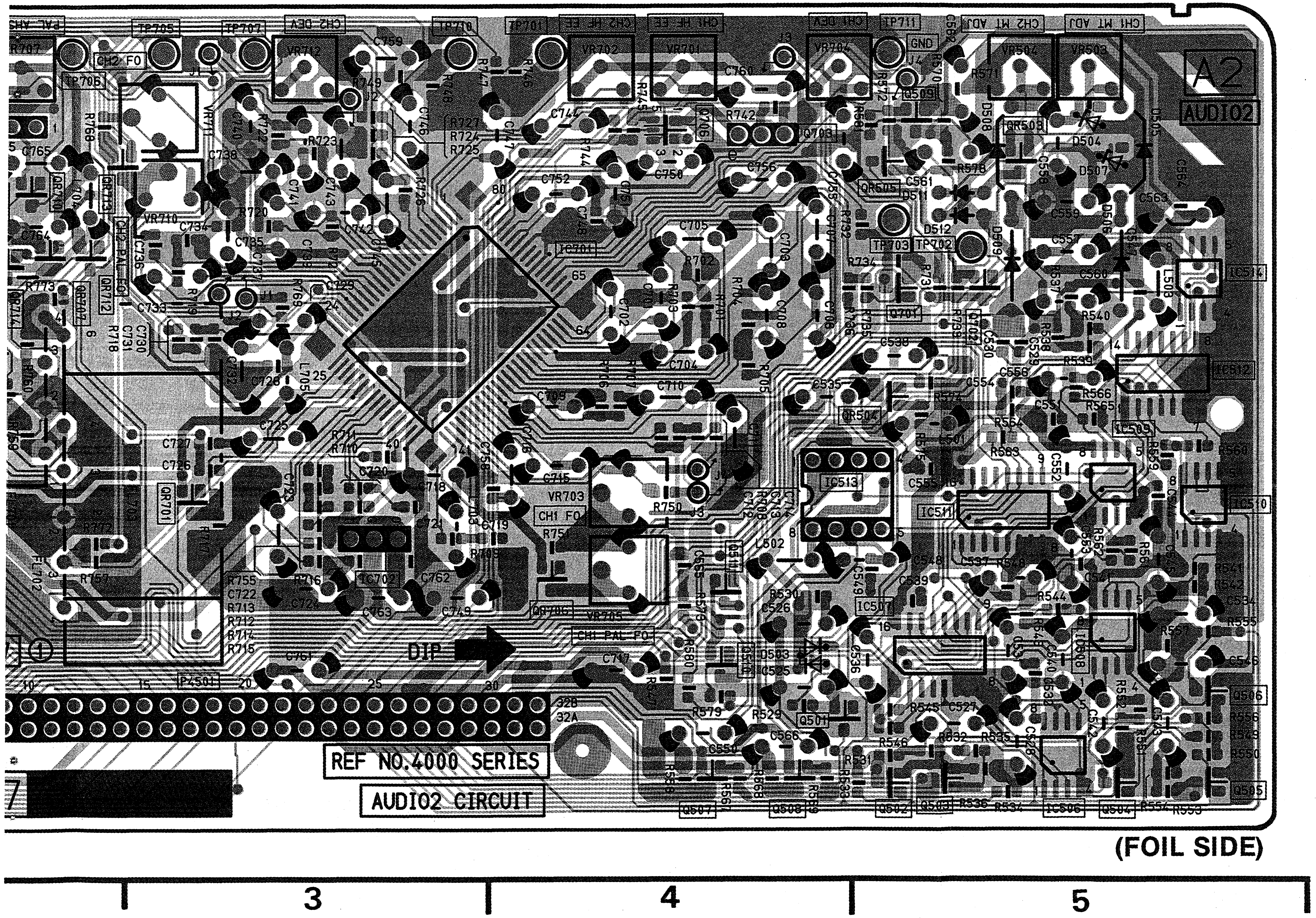
AUDIO (2) C.B.A. (VEP04327C: AG-7350/VEP04327D: AG-7150)

AUDIO (2) C.B.A. (VEP04327C:AG-7350/VEP04327D:AG-7150)


B
A
1
2
3
4
5
CH2 NOR EE
CH1 NOR EE
CH2 REC CUR
CH1 REC CUR
AHSW
PAL AHSW
TP705
TP707
CH2 DEV
TP710
CH2 FO
CH1 FO
CH1 PAL FO
CH2 PAL FO
TP711
GND
CH2 MT ADJ
IC703
IC701
IC505
IC504
IC502
IC503
IC513
IC507
VR703
VR705
VR710
PX501
DIP
VJB04327
REF NO.4000 SERIES
AUDIO2 CIRCUIT
VEP04327

AG-7150)

EP04327D:AG-7150)


A2
AUDIO2
REF NO.4000 SERIES
AUDIO2 CIRCUIT
DIP
P4501
CH1 MT ADJ
CH2 MT ADJ
CH1 DEV
CH1 HF EE
CH2 HF EE
CH2 DEV
CH2 FO
CH1 FO
CH1 PAL FO
CH2 PAL FO
GND
IC513
IC514
IC512
IC510
IC511
IC507
IC508
IC509
IC701
IC702
IC703
3
4
5

(FOIL SIDE)

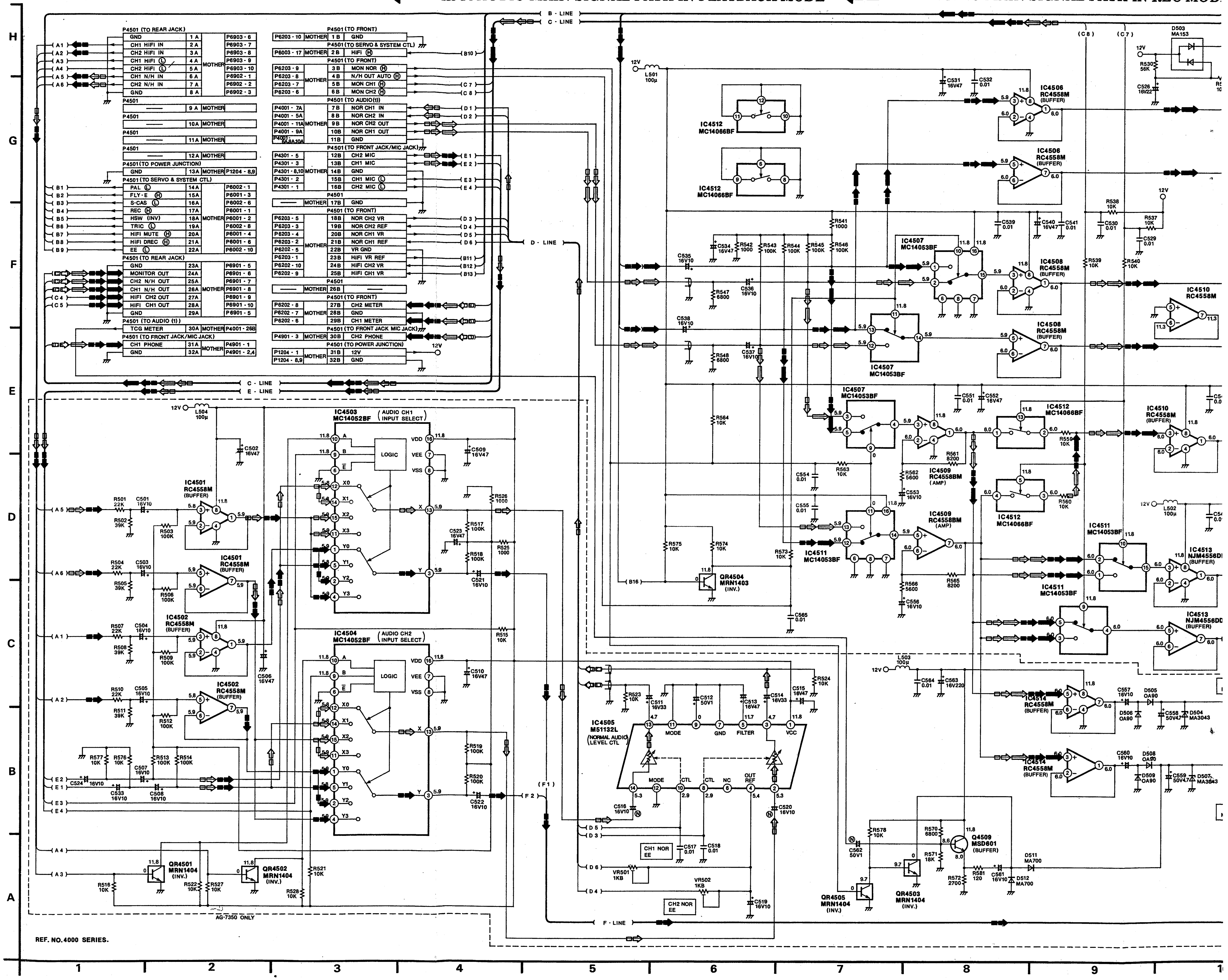
AUDIO (2) C.B.A.		
Transistor & Resistor		
Q4501	A-4	Ⓕ
Q4502	A-5	Ⓕ
Q4503	A-5	Ⓕ
Q4504	A-5	Ⓕ
Q4505	A-5	Ⓕ
Q4506	A-5	Ⓕ
Q4507	A-4	Ⓕ
Q4508	A-4	Ⓕ
Q4509	B-5	Ⓕ
Q4510	A-4	Ⓕ
Q4511	A-4	Ⓕ
Q4701	B-5	Ⓕ
Q4702	B-5	Ⓕ
Q4703	B-4	Ⓕ
Q4704	B-2	Ⓕ
Q4705	B-2	Ⓕ
Q4706	B-4	Ⓕ
Q4707	B-2	Ⓕ
Transistor & Resistor		
QR4501	A-2	Ⓕ
QR4502	A-2	Ⓕ
QR4503	B-5	Ⓕ
QR4504	B-5	Ⓕ
QR4505	B-5	Ⓕ
QR4701	B-3	Ⓕ
QR4702	B-1	Ⓕ
QR4703	B-2	Ⓕ
QR4704	B-1	Ⓕ
QR4705	B-1	Ⓕ
QR4706	A-4	Ⓕ
QR4707	B-2	Ⓕ
QR4708	B-2	Ⓕ
QR4709	B-2	Ⓕ
QR4710	B-2	Ⓕ
QR4711	B-2	Ⓕ
QR4712	B-2	Ⓕ
QR4713	B-2	Ⓕ
QR4714	B-2	Ⓕ
QR4715	B-1	Ⓕ
Integrated Circuit		
IC4501	A-1	Ⓕ
IC4502	A-1	Ⓕ
IC4503	A-1	Ⓕ
IC4504	A-1	Ⓕ
IC4505	B-1	Ⓕ
IC4506	A-5	Ⓕ
IC4507	A-5	Ⓕ
IC4508	A-5	Ⓕ
IC4509	B-5	Ⓕ
IC4510	B-5	Ⓕ
IC4511	B-5	Ⓕ
IC4512	B-5	Ⓕ
IC4513	B-4	Ⓕ
IC4514	B-5	Ⓕ
IC4701	B-4	Ⓕ
IC4702	A-3	Ⓕ
IC4703	B-2	Ⓕ
Test Point		
TP4701	B-4	Ⓕ
TP4702	B-5	Ⓕ
TP4703	B-5	Ⓕ
TP4704	B-1	Ⓕ
TP4705	B-3	Ⓕ
TP4706	B-2	Ⓕ
TP4707	B-3	Ⓕ
TP4708	B-1	Ⓕ
TP4709	B-2	Ⓕ
TP4710	B-3	Ⓕ
TP4711	B-5	Ⓕ
Adjustment		
VR4501	B-1	Ⓕ
VR4502	B-1	Ⓕ
VR4503	B-5	Ⓕ
VR4504	B-5	Ⓕ
VR4701	B-4	Ⓕ
VR4702	B-4	Ⓕ
VR4703	B-4	Ⓕ
VR4704	B-4	Ⓕ
VR4705	A-4	Ⓕ
VR4706	B-2	Ⓕ
VR4707	B-2	Ⓕ
VR4708	B-2	Ⓕ
VR4709	B-2	Ⓕ
VR4710	B-3	Ⓕ
VR4711	B-3	Ⓕ
VR4712	B-3	Ⓕ
Connector		
P4501	A-3	Ⓕ
P4701	B-2	Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

AUDIO (2) SCHEMATIC DIAGRAM

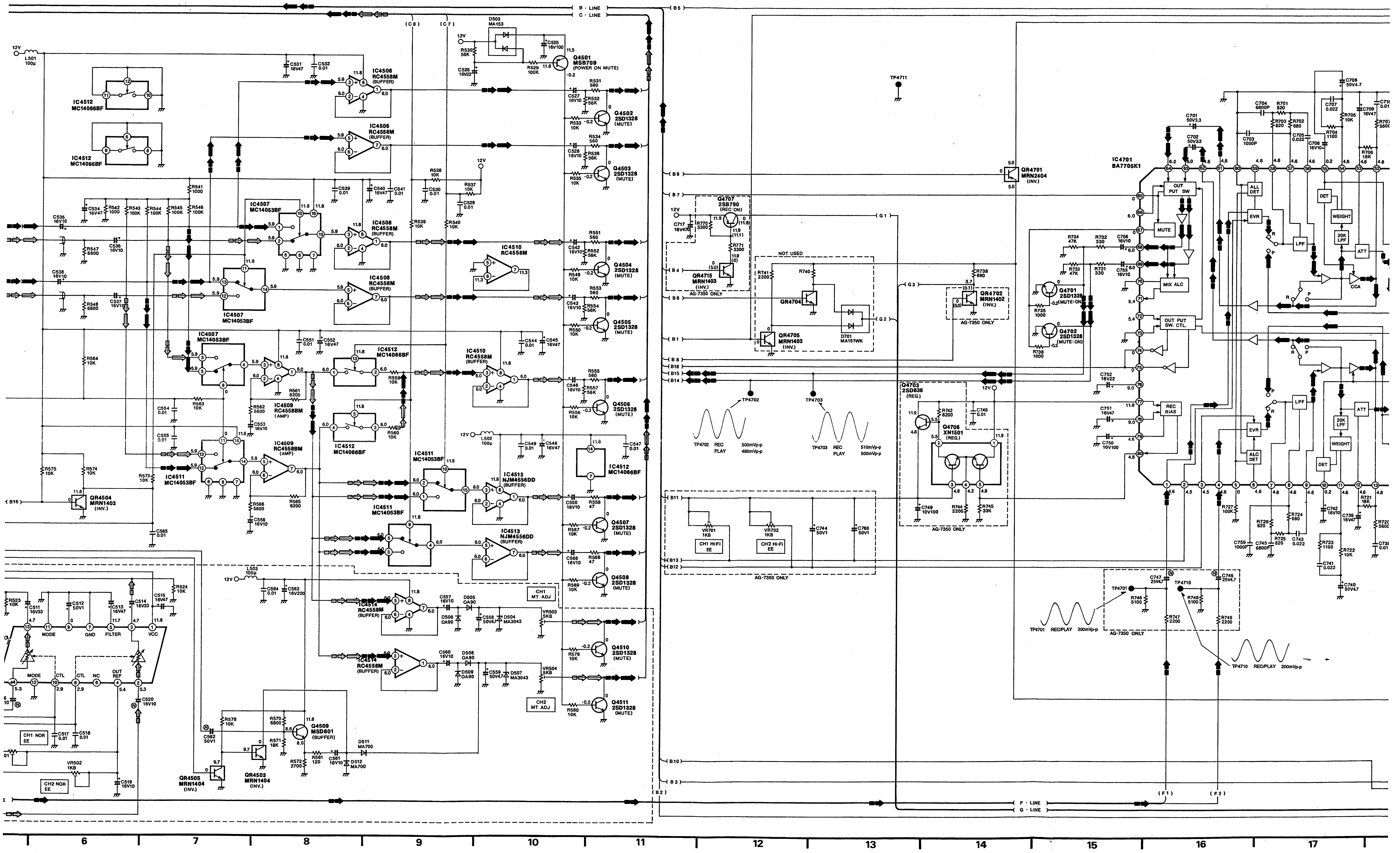
Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MOD

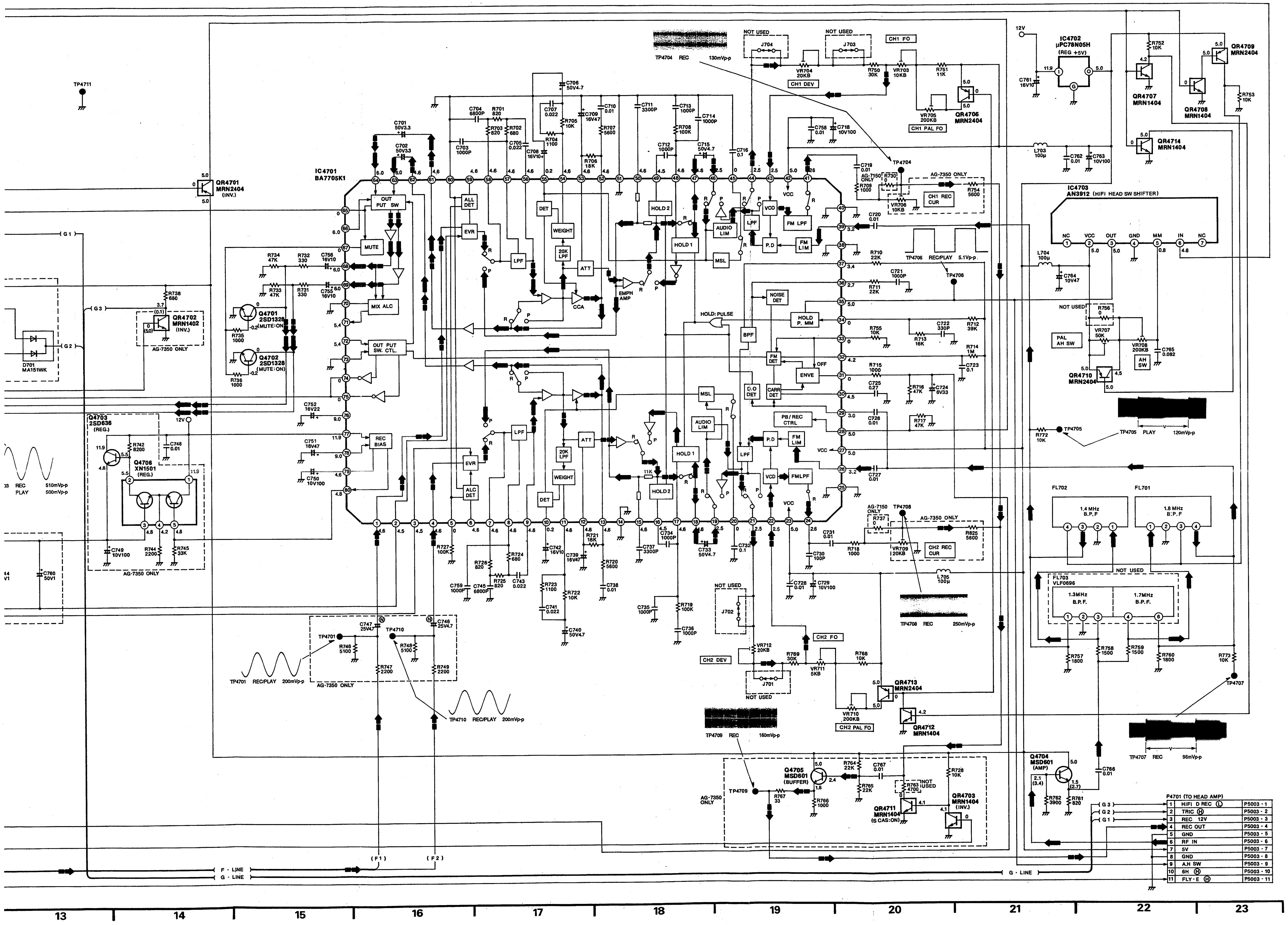


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
P4501 (TO REAR JACK)
P4501 (TO FRONT)
P4501 (TO SERVO & SYSTEM CTL)
P4501 (TO AUDIO(1))
P4501 (TO FRONT JACK/MIC JACK)
P4501 (TO POWER JUNCTION)
MOTHER
B - LINE
C - LINE
D - LINE
E - LINE
F - LINE
IC4501 RC4558M (BUFFER)
IC4502 RC4558M (BUFFER)
IC4503 MC14052BF (AUDIO CH1 INPUT SELECT)
IC4504 MC14052BF (AUDIO CH2 INPUT SELECT)
LOGIC
IC4505 M51132L (NORMAL AUDIO LEVEL CTL)
IC4506 RC4558M (BUFFER)
IC4507 MC14053BF
IC4508 RC4558M (BUFFER)
IC4509 RC4558M (AMP)
IC4510 RC4558M (BUFFER)
IC4511 MC14053BF
IC4512 MC14066BF
IC4513 NJM4556DD (BUFFER)
IC4514 RC4558M (BUFFER)
QR4501 MRN1404 (INV.)
QR4502 MRN1404 (INV.)
QR4503 MRN1404 (INV.)
QR4504 MRN1403 (INV.)
QR4505 MRN1404 (INV.)
Q4509 MSD601 (BUFFER)
CH1 NOR EE
CH2 NOR EE
VR501 1KB
VR502 1KB
AG-7350 ONLY
REF. NO.4000 SERIES.

PATH IN PLAYBACK MODE ◀■ Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE ⇦ NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE ⇦□ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE


B - LINE
C - LINE
(B5)
(C8)
(C7)
D503 MA153
12V
L501 100µ
C531 16V47
C532 0.01
IC4506 RC4558M (BUFFER)
IC4512 MC14066BF
Q4501 MSB709 (POWER ON MUTE)
C525 16V100
R529 100K
R530 56K
C526 16V22
R531 560
R532 56K
C527 16V10
R533 10K
Q4502 2SD1328 (MUTE)
R534 560
R536 56K
C528 16V10
R535 10K
Q4503 2SD1328 (MUTE)
R538 10K
R537 10K
C530 0.01
C529 0.01
R541 1000
R546 100K
C534 16V47
R542 1000
R543 100K
R544 100K
R545 100K
C535 16V10
R547 6800
C536 16V10
C539 0.01
C540 16V47
C541 0.01
IC4507 MC14053BF
IC4508 RC4558M (BUFFER)
R539 10K
R540 10K
IC4510 RC4558M
R551 560
C542 16V10
R552 56K
R549 10K
Q4504 2SD1328 (MUTE)
R553 560
C543 16V10
R554 56K
R550 10K
Q4505 2SD1328 (MUTE)
C538 16V10
R548 6800
C537 16V10
R564 10K
C551 0.01
C552 16V47
IC4509 RC4558BM (AMP)
R561 8200
R563 10K
C554 0.01
R562 5600
C553 16V10
C555 0.01
IC4511 MC14053BF
R575 10K
R574 10K
R573 10K
QR4504 MRN1403 (INV.)
(B16)
C565 0.01
R566 5600
C556 16V10
R565 8200
IC4512 MC14066BF
R559 10K
R560 10K
C544 0.01
C545 16V47
IC4510 RC4558M (BUFFER)
R555 560
C546 16V10
R557 56K
R556 10K
Q4506 2SD1328 (MUTE)
L502 100µ
C549 0.01
C548 16V47
C547 0.01
IC4513 NJM4556DD (BUFFER)
C550 16V10
R558 47
R557 10K
Q4507 2SD1328 (MUTE)
C566 16V10
R568 47
R569 10K
Q4508 2SD1328 (MUTE)
L503 100µ
C564 0.01
C563 16V220
CH1 MT ADJ
IC4514 RC4558M (BUFFER)
C557 16V10
D505 OA90
D506 OA90
C558 50V47
D504 MA3043
VR503 5KB
C560 16V10
D508 OA90
D509 OA90
C559 50V47
D507 MA3043
VR504 5KB
CH2 MT ADJ
Q4510 2SD1328 (MUTE)
R579 10K
Q4511 2SD1328 (MUTE)
R580 10K
R578 10K
C562 50V1
R570 6800
R571 18K
Q4509 MSD601 (BUFFER)
R572 2700
R581 120
C561 16V10
D511 MA700
D512 MA700
QR4505 MRN1404 (INV.)
QR4503 MRN1404 (INV.)
R523 10K
C511 16V33
C512 50V1
C513 16V47
C514 16V33
C515 16V47
R524 10K
MODE
GND
FILTER
VCC
CTL
NC
OUT REF
C520 16V10
C517 0.01
C518 0.01
CH1 NOR EE
CH2 NOR EE
VR502 1KB
C519 16V10
(B2)
(B9)
(B7)
(B4)
(B6)
(B1)
(B8)
(B18)
(B15)
(B14)
(B11)
(B13)
(B12)
(B10)
(B3)
(G1)
(G2)
(G3)
Q4707 2SB790 (REC·ON)
C717 16V470
R770 3300
R771 3300
QR4715 MRN1403 (INV.)
AG-7350 ONLY
NOT USED
R741 2200
R740
QR4704
QR4705 MRN1403 (INV.)
D701 MA151WK
TP4711
QR4701 MRN2404 (INV.)
R738 680
QR4702 MRN1402 (INV.)
TP4702
TP4703
TP4702 REC PLAY 500mVp-p 480mVp-p
TP4703 REC PLAY 510mVp-p 500mVp-p
Q4703 2SD636 (REG.)
R742 8200
C748 0.01
Q4706 XN1501 (REG.)
C749 10V100
R744 2200
R745 33K
VR701 1KB
VR702 1KB
CH1 Hi-Fi EE
CH2 Hi-Fi EE
C744 50V1
C760 50V1
IC4701 BA7705K1
C701 50V3.3
C702 50V3.3
C704 6800P
R701 820
R703 820
R702 680
C703 1000P
C705 0.022
C706 50V4.7
C707 0.022
C708 16V10
R704 1100
R705 10K
C709 16V47
R706 18K
R734 47K
R732 330
C756 16V10
R733 47K
R731 330
C755 16V10
Q4701 2SD1328 (MUTE·ON)
Q4702 2SD1328 (MUTE·ON)
R735 1000
R736 1000
C752 16V22
C751 16V47
C750 10V100
OUT PUT SW
MUTE
MIX ALC
OUT PUT SW. CTL.
REC BIAS
ALL DET
EVR
LPF
DET
WEIGHT
20K LPF
ATT
CCA
ALC DET
R727 100K
R726 820
R724 680
R725 820
C743 0.022
C759 1000P
C745 6800P
R723 1100
C741 0.022
R722 10K
C742 16V10
C739 16V47
R721 18K
C740 50V4.7
C747 25V4.7
C746 25V4.7
TP4701
TP4710
R746 5100
R748 5100
R747 2200
R749 2200
TP4701 REC/PLAY 200mVp-p
TP4710 REC/PLAY 200mVp-p
(F1)
(F2)
F - LINE
G - LINE
6
7
8
9
10
11
12
13
14
15
16
17

IN PLAYBACK MODE ⇦ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE

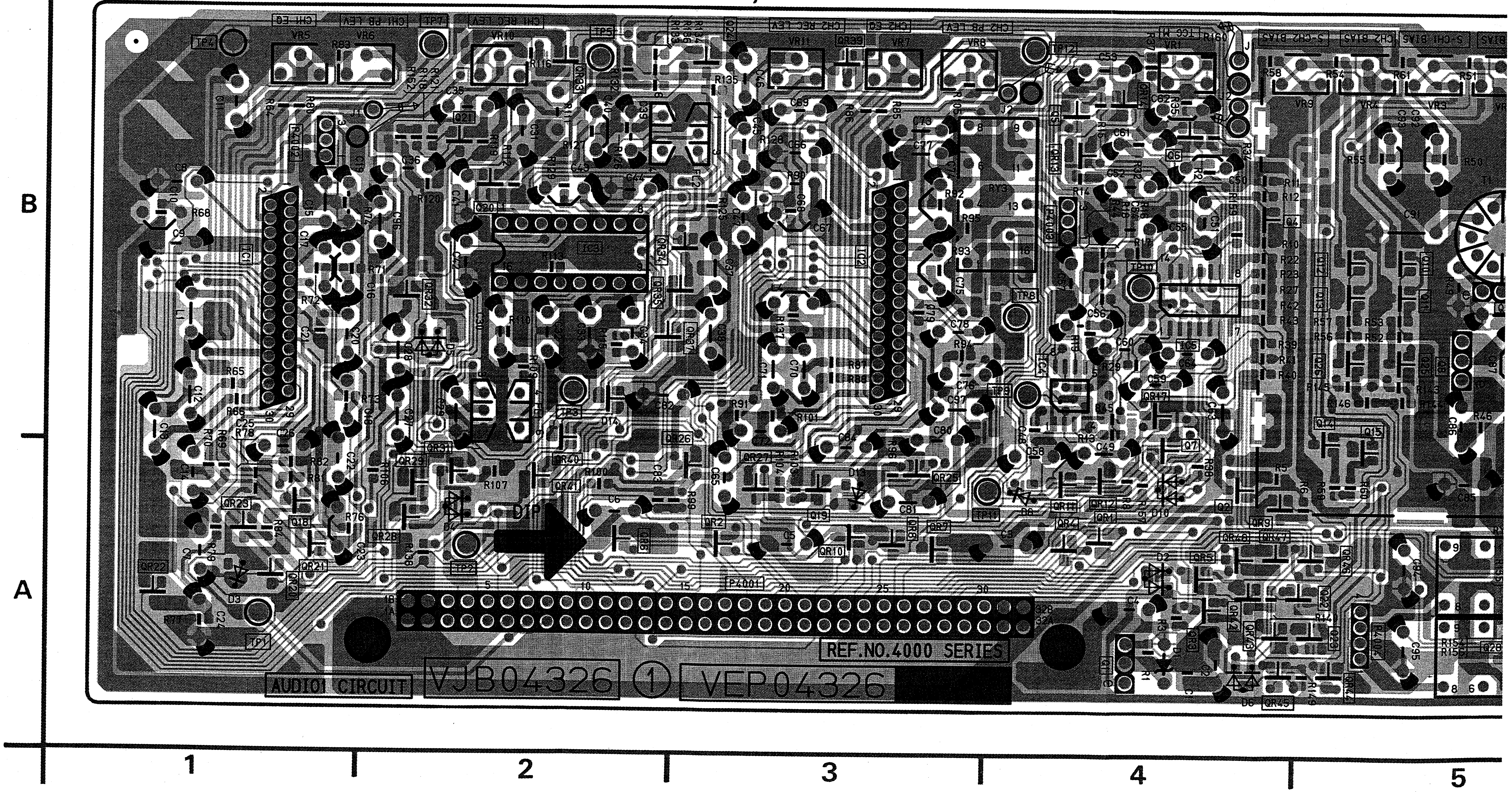

IC4701
BA7705K1
IC4702
μPC78N05H
(REG +5V)
IC4703
AN3912 (HIFI HEAD SW SHIFTER)
QR4701
MRN2404
(INV.)
QR4702
MRN1402
(INV.)
Q4701
2SD1328
(MUTE:ON)
Q4702
2SD1328
(MUTE:ON)
Q4703
2SD636
(REG.)
Q4706
XN1501
(REG.)
Q4704
MSD601
(AMP)
Q4705
MSD601
(BUFFER)
QR4703
MRN1404
(INV.)
QR4706
MRN2404
QR4707
MRN1404
QR4708
MRN1404
QR4709
MRN2404
QR4710
MRN2404
QR4711
MRN1404
(S CAS:ON)
QR4712
MRN1404
QR4713
MRN2404
QR4714
MRN1404
D701
MA151WK
OUT PUT SW
MUTE
MIX ALC
OUT PUT SW. CTL.
REC BIAS
ALL DET
EVR
ALC DET
LPF
DET
WEIGHT
20K LPF
ATT
CCA
EMPH AMP
HOLD 2
HOLD 1
AUDIO LIM
MSL
LPF
VCO
FM LPF
P.D
FM LIM
NOISE DET
HOLD P. MM
BPF
FM DET
ENVE
D.O DET
CARR DET
PB/REC CTRL
HOLD: PULSE
CH1 REC CUR
CH2 REC CUR
CH1 FO
CH1 DEV
CH1 PAL FO
CH2 FO
CH2 DEV
CH2 PAL FO
PAL AH SW
AH SW
NOT USED
J701
J702
J703
J704
AG-7350 ONLY
AG-7150 ONLY
FL701
1.8 MHz B.P.F
FL702
1.4 MHz B.P.F
FL703
VLF0696
1.3MHz B.P.F.
1.7MHz B.P.F.
TP4701 REC/PLAY 200mVp-p
TP4704 REC 130mVp-p
TP4705 PLAY 120mVp-p
TP4706 REC/PLAY 5.1Vp-p
TP4707 REC 96mVp-p
TP4708 REC 250mVp-p
TP4709 REC 160mVp-p
TP4710 REC/PLAY 200mVp-p
TP4711
REC 510mVp-p
PLAY 500mVp-p
12V
F - LINE
G - LINE
(F1)
(F2)
G1
G2
G3
13
14
15
16
17
18
19
20
21
22
23

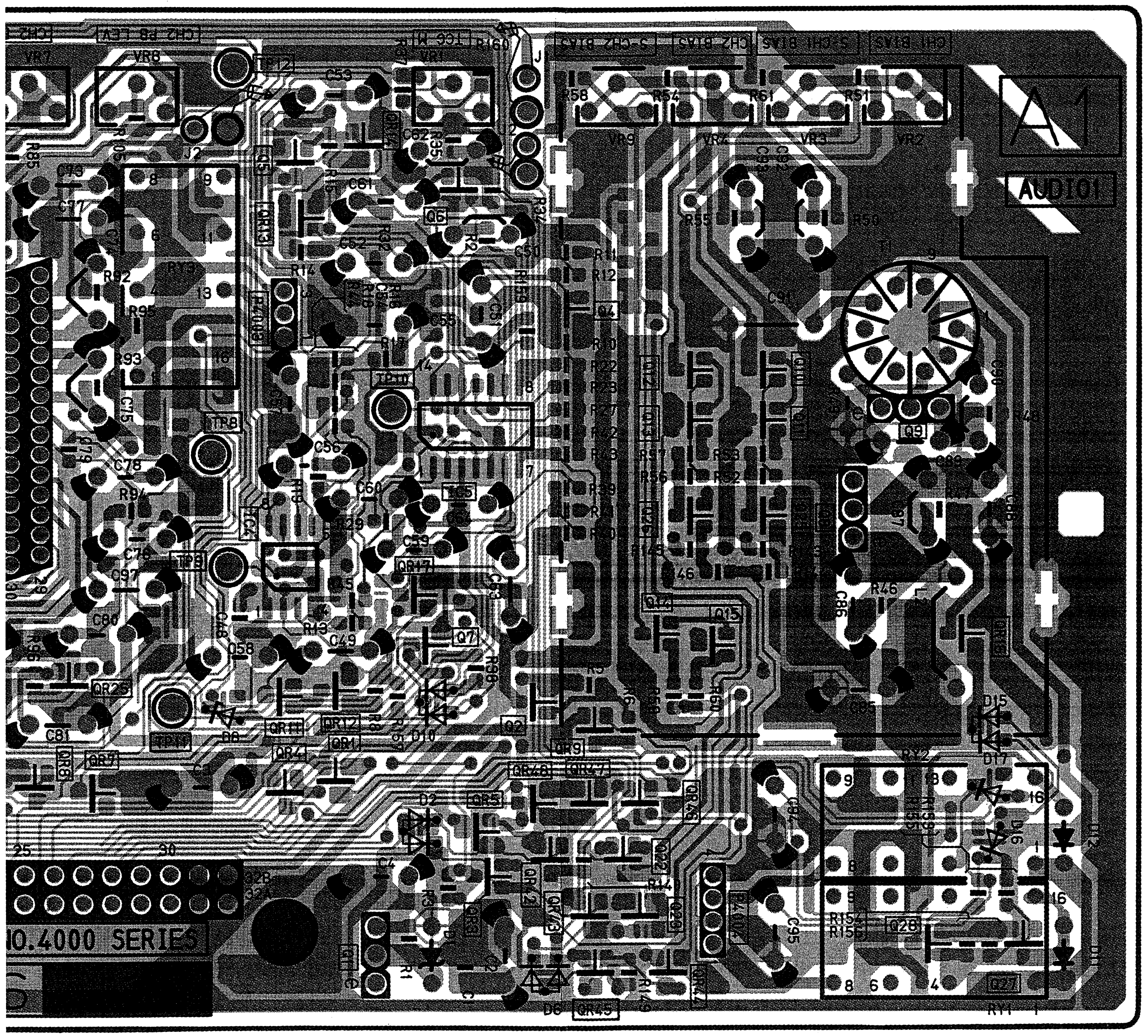
P4701 (TO HEAD AMP)

1	HIFI D REC Ⓛ	P5003 - 1
2	TRIC Ⓗ	P5003 - 2
3	REC 12V	P5003 - 3
4	REC OUT	P5003 - 4
5	GND	P5003 - 5
6	RF IN	P5003 - 6
7	5V	P5003 - 7
8	GND	P5003 - 8
9	A.H SW	P5003 - 9
10	6H Ⓗ	P5003 - 10
11	FLY - E Ⓗ	P5003 - 11

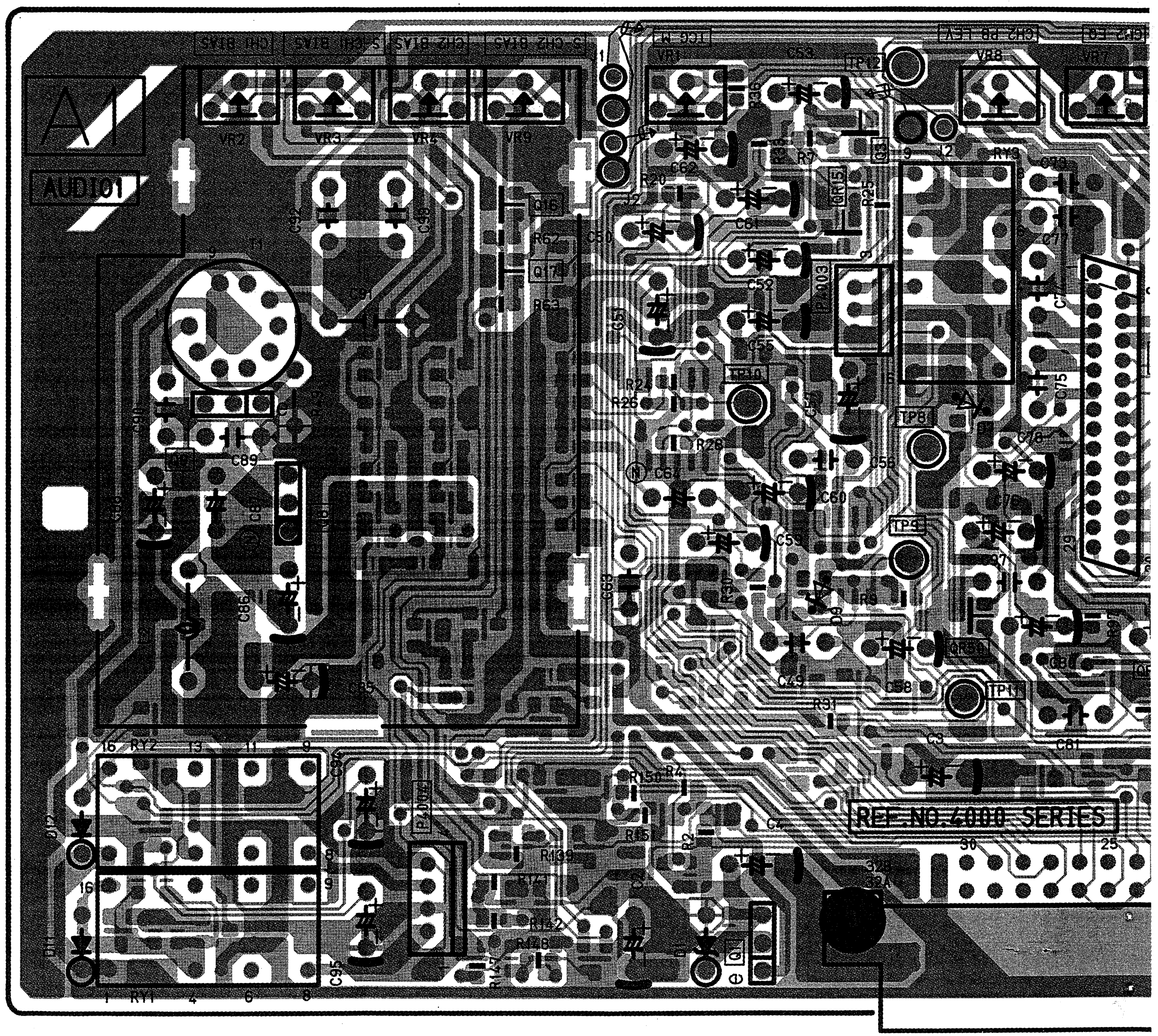
AUDIO (1) C.B.A. (VEP04326C: AG-7350/VEP04326D: AG-7150)

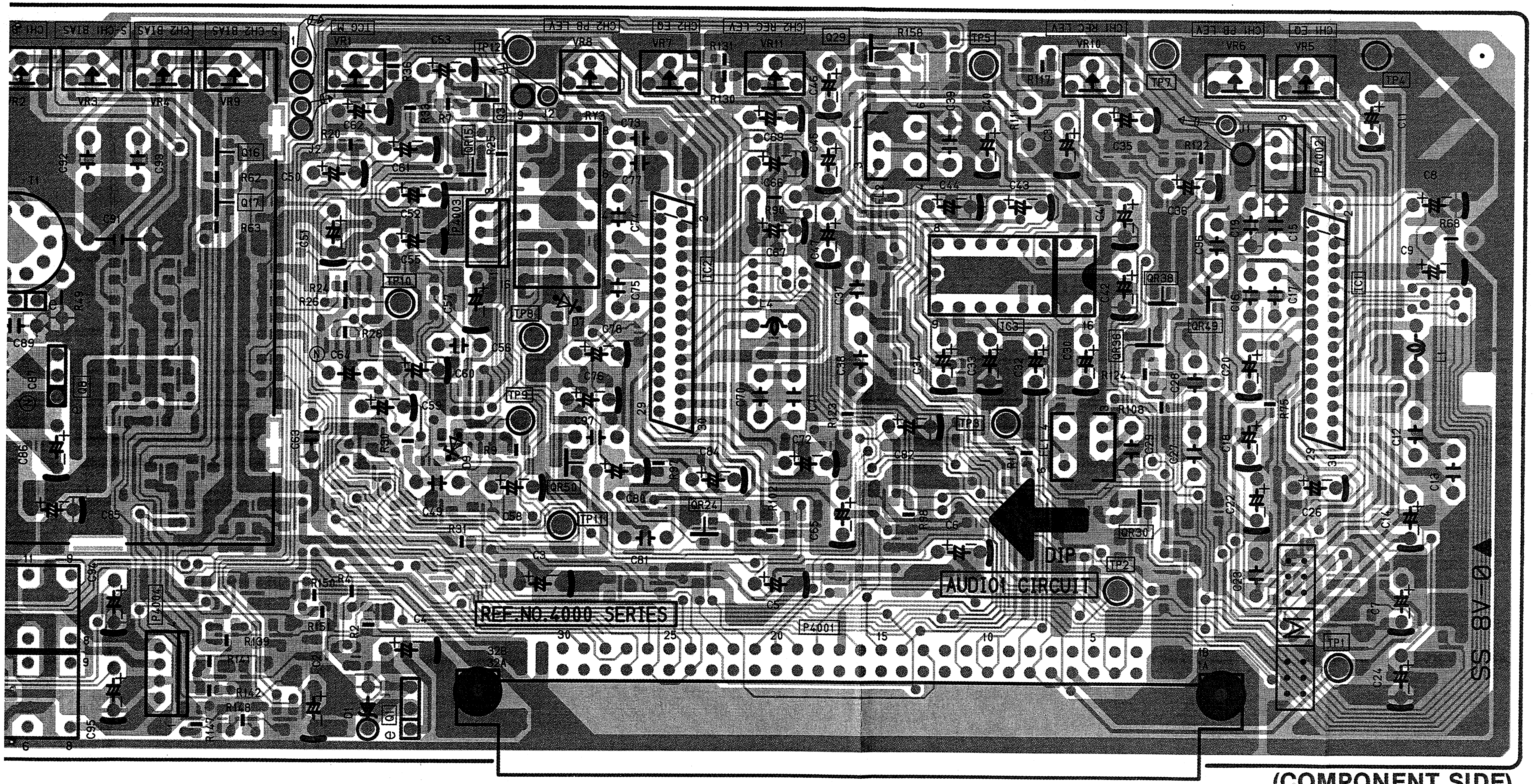
AUDIO (1) C.B.A. (VEP04326C:AG-7350/VEP04326D:AG-7150)


B
A
1
2
3
4
5
CH1 EQ
CH1 PB LEV
CH1 REC LEV
CH2 REC LEV
CH2 EQ
CH2 PB LEV
TCC M
S-CH2 BIAS
CH2 BIAS
S-CH1 BIAS
VR5
VR6
VR10
VR11
VR7
VR8
VR1
VR9
VR4
VR3
IC1
IC2
IC3
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12
DIP
P4001
REF.NO.4000 SERIES
AUDIO1 CIRCUIT
VJB04326
①
VEP04326


A1
AUDIO1
NO.4000 SERIES
VR7
VR8
VR1
VR9
VR4
VR3
VR2
T1
RY1
RY2
D15
D16
D17
25
30
32B
32A

(FOIL SIDE)


A1
AUDIO1
REF.NO.4000 SERIES
VR2
VR3
VR5
VR9
VR1
VR8
VR7
T1
RY1
RY2
25
30
32B
32A


REF NO.4000 SERIES
AUDIO CIRCUIT
DIP
P4001
SS 8V 0

(COMPONENT SIDE)

7
8
9
10

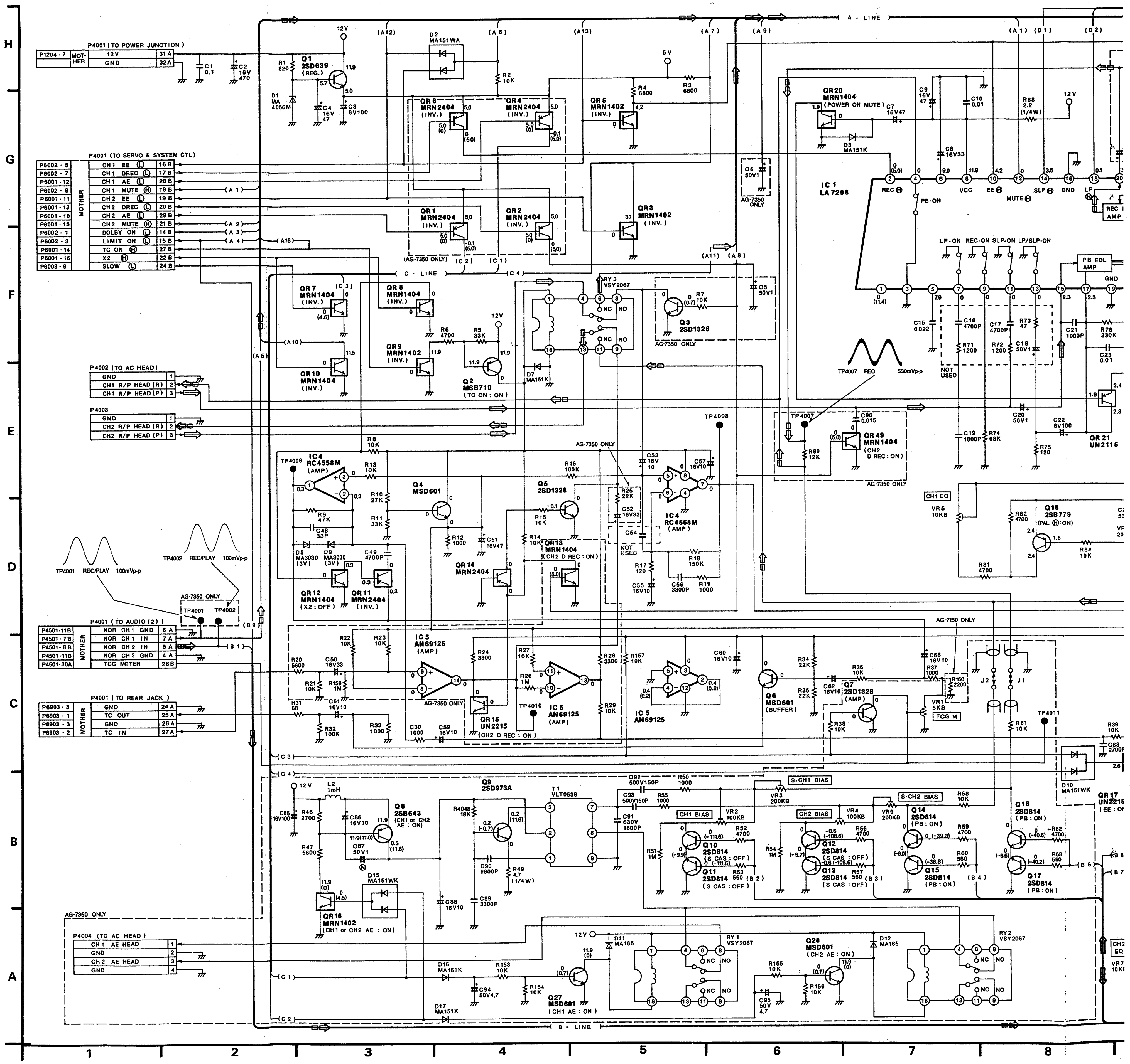
AUDIO (1) C.B.A.		
Transistor		
Q4001	A-8	©
Q4001	A-4	Ⓕ
Q4002	A-4	Ⓕ
Q4003	B-8	©
Q4004	B-4	Ⓕ
Q4005	B-4	Ⓕ
Q4006	B-4	Ⓕ
Q4007	A-4	Ⓕ
Q4008	B-7	©
Q4008	B-5	Ⓕ
Q4009	B-6	©
Q4009	B-5	Ⓕ
Q4010	B-5	Ⓕ
Q4011	B-5	Ⓕ
Q4012	B-5	Ⓕ
Q4013	B-5	Ⓕ
Q4014	B-5	Ⓕ
Q4015	B-5	Ⓕ
Q4016	B-7	©
Q4017	B-7	©
Q4018	A-1	Ⓕ
Q4019	A-3	Ⓕ
Q4020	B-2	Ⓕ
Q4021	B-2	Ⓕ
Q4022	A-5	Ⓕ
Q4023	A-5	Ⓕ
Q4024	B-3	Ⓕ
Q4025	B-5	Ⓕ
Q4026	B-5	Ⓕ
Q4027	A-5	Ⓕ
Q4028	A-5	Ⓕ
Q4029	B-9	©
Transistor & Resistor		
QR4001	A-4	Ⓕ
QR4002	A-3	Ⓕ
QR4003	A-4	Ⓕ
QR4004	A-4	Ⓕ
QR4005	A-4	Ⓕ
QR4006	A-2	Ⓕ
QR4007	A-3	Ⓕ
QR4008	A-3	Ⓕ
QR4009	A-4	Ⓕ
QR4010	A-3	Ⓕ
QR4011	A-4	Ⓕ
QR4012	A-4	Ⓕ
QR4013	B-4	Ⓕ
QR4014	B-4	Ⓕ
QR4015	B-8	©
QR4016	B-5	Ⓕ
QR4017	B-4	Ⓕ
QR4020	A-1	Ⓕ
QR4021	A-1	Ⓕ
QR4022	A-1	Ⓕ
QR4023	A-1	Ⓕ
QR4024	A-8	©
QR4025	A-3	Ⓕ
QR4026	A-3	Ⓕ
QR4027	A-3	Ⓕ
QR4028	A-2	Ⓕ
QR4029	A-2	Ⓕ
QR4030	A-10	©
QR4031	A-2	Ⓕ
QR4032	B-2	Ⓕ
QR4033	B-2	Ⓕ
QR4034	B-2	Ⓕ
QR4035	B-2	Ⓕ
QR4036	B-10	©
QR4037	B-3	Ⓕ
QR4038	B-10	©
QR4039	B-3	Ⓕ
QR4040	A-2	Ⓕ
QR4041	A-2	Ⓕ
QR4042	A-4	Ⓕ
QR4043	A-4	Ⓕ
QR4044	A-5	Ⓕ
QR4045	A-4	Ⓕ
QR4046	A-5	Ⓕ
QR4047	A-4	Ⓕ
QR4048	A-4	Ⓕ
QR4049	B-10	©
QR4050	A-8	©
Integrated Circuit		
IC4001	B-10	©
IC4001	B-1	Ⓕ
IC4002	B-8	©
IC4002	B-3	Ⓕ
IC4003	B-9	©
IC4003	B-2	Ⓕ
IC4004	B-4	Ⓕ
IC4005	B-4	Ⓕ
Test Point		
TP4001	A-10	©
TP4001	A-1	Ⓕ
TP4002	A-10	©
TP4002	A-2	Ⓕ
TP4003	B-9	©
TP4003	B-2	Ⓕ
TP4004	B-10	©
TP4004	B-1	Ⓕ
TP4005	B-9	©
TP4005	B-2	Ⓕ
TP4007	B-10	©
TP4007	B-2	Ⓕ
TP4008	B-8	©
TP4008	B-4	Ⓕ
TP4009	B-8	©
TP4009	B-4	Ⓕ
TP4010	B-7	©
TP4010	B-4	Ⓕ
TP4011	A-8	©
TP4011	A-4	Ⓕ
TP4012	B-8	©
TP4012	B-4	Ⓕ
Adjustment		
VR4001	B-7	©
VR4001	B-4	Ⓕ
VR4002	B-6	©
VR4002	B-5	Ⓕ
VR4003	B-7	©
VR4003	B-5	Ⓕ
VR4004	B-7	©
VR4004	B-5	Ⓕ
VR4005	B-10	©
VR4005	B-1	Ⓕ
VR4006	B-10	©
VR4006	B-2	Ⓕ
VR4007	B-8	©
VR4007	B-3	Ⓕ
VR4008	B-8	©
VR4008	B-3	Ⓕ
VR4009	B-7	©
VR4009	B-5	Ⓕ
VR4010	B-10	©
VR4010	B-2	Ⓕ
VR4011	B-9	©
VR4011	B-3	Ⓕ
Connector		
P4001	A-9	©
P4001	A-3	Ⓕ
P4002	B-10	©
P4002	B-1	Ⓕ
P4003	B-8	©
P4003	B-4	Ⓕ
P4004	A-7	©
P4004	A-5	Ⓕ

ADDRESS INFORMATION
©...COMPONENT SIDE
Ⓕ...FOIL SIDE

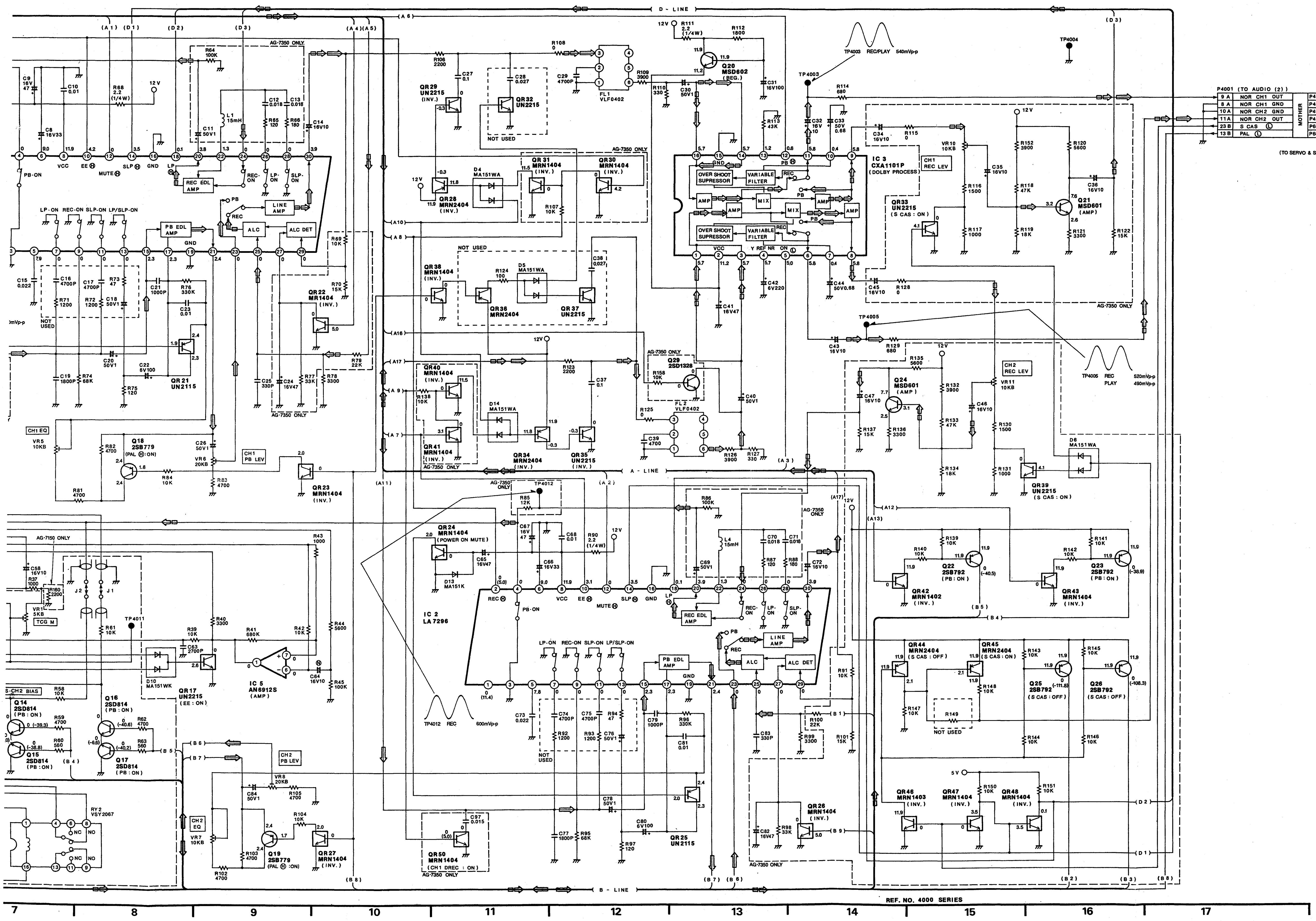
AUDIO (1) SCHEMATIC DIAGRAM

⇦ MAIN SIGNAL PATH IN PLAYBACK MODE

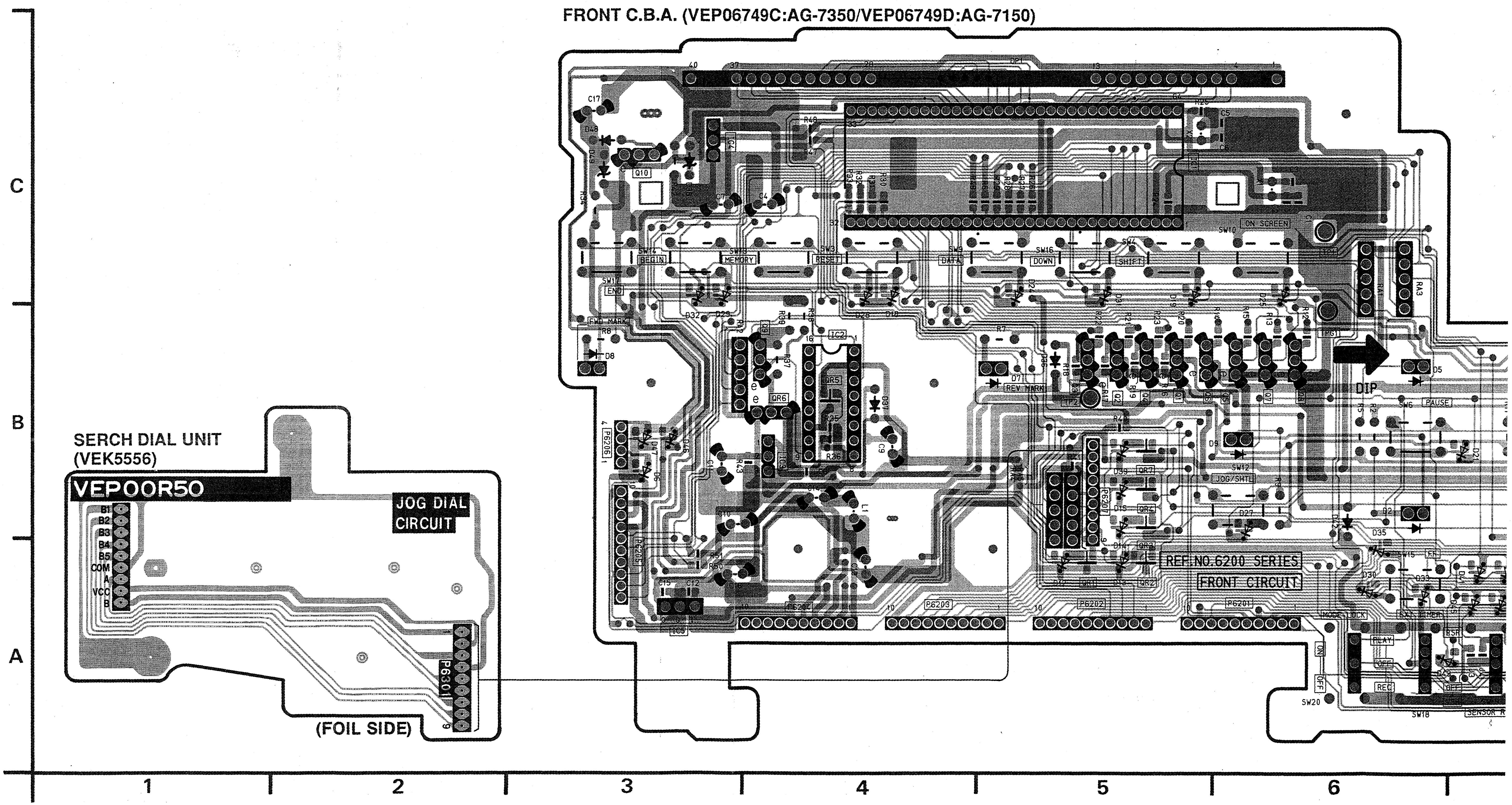
⇦□ MAIN SIGNAL PATH IN REC MODE


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
A - LINE
B - LINE
C - LINE
P4001 (TO POWER JUNCTION)
P4001 (TO SERVO & SYSTEM CTL)
P4002 (TO AC HEAD)
P4003
P4001 (TO AUDIO (2))
P4001 (TO REAR JACK)
P4004 (TO AC HEAD)
AG-7350 ONLY
MOTHER
CH1 EE Ⓛ
CH1 DREC Ⓛ
CH1 AE Ⓛ
CH1 MUTE Ⓗ
CH2 EE Ⓛ
CH2 DREC Ⓛ
CH2 AE Ⓛ
CH2 MUTE Ⓗ
DOLBY ON Ⓛ
LIMIT ON Ⓛ
TC ON Ⓗ
X2 Ⓗ
SLOW Ⓛ
CH1 R/P HEAD (R)
CH1 R/P HEAD (P)
CH2 R/P HEAD (R)
CH2 R/P HEAD (P)
NOR CH1 GND
NOR CH1 IN
NOR CH2 IN
NOR CH2 GND
TCG METER
TC OUT
TC IN
CH1 AE HEAD
CH2 AE HEAD
Q1 2SD639 (REG.)
D2 MA151WA
QR6 MRN2404 (INV.)
QR4 MRN2404 (INV.)
QR5 MRN1402 (INV.)
QR1 MRN2404 (INV.)
QR2 MRN2404 (INV.)
QR3 MRN1402 (INV.)
QR20 MRN1404 (POWER ON MUTE)
IC1 LA7296
REC Ⓗ
PB-ON
VCC
EE Ⓗ
MUTE Ⓗ
SLP Ⓗ
GND
LP-ON REC-ON SLP-ON LP/SLP-ON
PB EDL AMP
QR7 MRN1404 (INV.)
QR8 MRN1404 (INV.)
QR9 MRN1402 (INV.)
QR10 MRN1404 (INV.)
Q2 MSB710 (TC ON : ON)
RY3 VSY2067
Q3 2SD1328
AG-7350 ONLY
TP4007 REC 530mVp-p
QR49 MRN1404 (CH2 D REC : ON)
QR21 UN2115
IC4 RC4558M (AMP)
Q4 MSD601
Q5 2SD1328
IC4 RC4558M (AMP)
QR13 MRN1404 (CH2 D REC : ON)
QR14 MRN2404
QR12 MRN1404 (X2 : OFF)
QR11 MRN2404 (INV.)
D8 MA3030 (3V)
D9 MA3030 (3V)
TP4001 REC/PLAY 100mVp-p
TP4002 REC/PLAY 100mVp-p
CH1 EQ
Q18 2SB779 (PAL Ⓗ:ON)
IC5 AN69125 (AMP)
QR15 UN2215 (CH2 D REC : ON)
IC5 AN69125 (AMP)
IC5 AN69125
Q6 MSD601 (BUFFER)
Q7 2SD1328 (AMP)
AG-7150 ONLY
TCG M
J2
J1
TP4011
D10 MA151WK
QR17 UN2215 (EE : ON)
Q8 2SB643 (CH1 or CH2 AE : ON)
Q9 2SD973A
T1 VLT0538
D15 MA151WK
QR16 MRN1402 (CH1 or CH2 AE : ON)
CH1 BIAS
CH2 BIAS
S-CH1 BIAS
S-CH2 BIAS
Q10 2SD814 (S CAS : OFF)
Q11 2SD814 (S CAS : OFF)
Q12 2SD814 (S CAS : OFF)
Q13 2SD814 (S CAS : OFF)
Q14 2SD814 (PB : ON)
Q15 2SD814 (PB : ON)
Q16 2SD814 (PB : ON)
Q17 2SD814 (PB : ON)
RY1 VSY2067
RY2 VSY2067
D11 MA165
D12 MA165
Q27 MSD601 (CH1 AE : ON)
Q28 MSD601 (CH2 AE : ON)
D16 MA151K
D17 MA151K
12V
5V

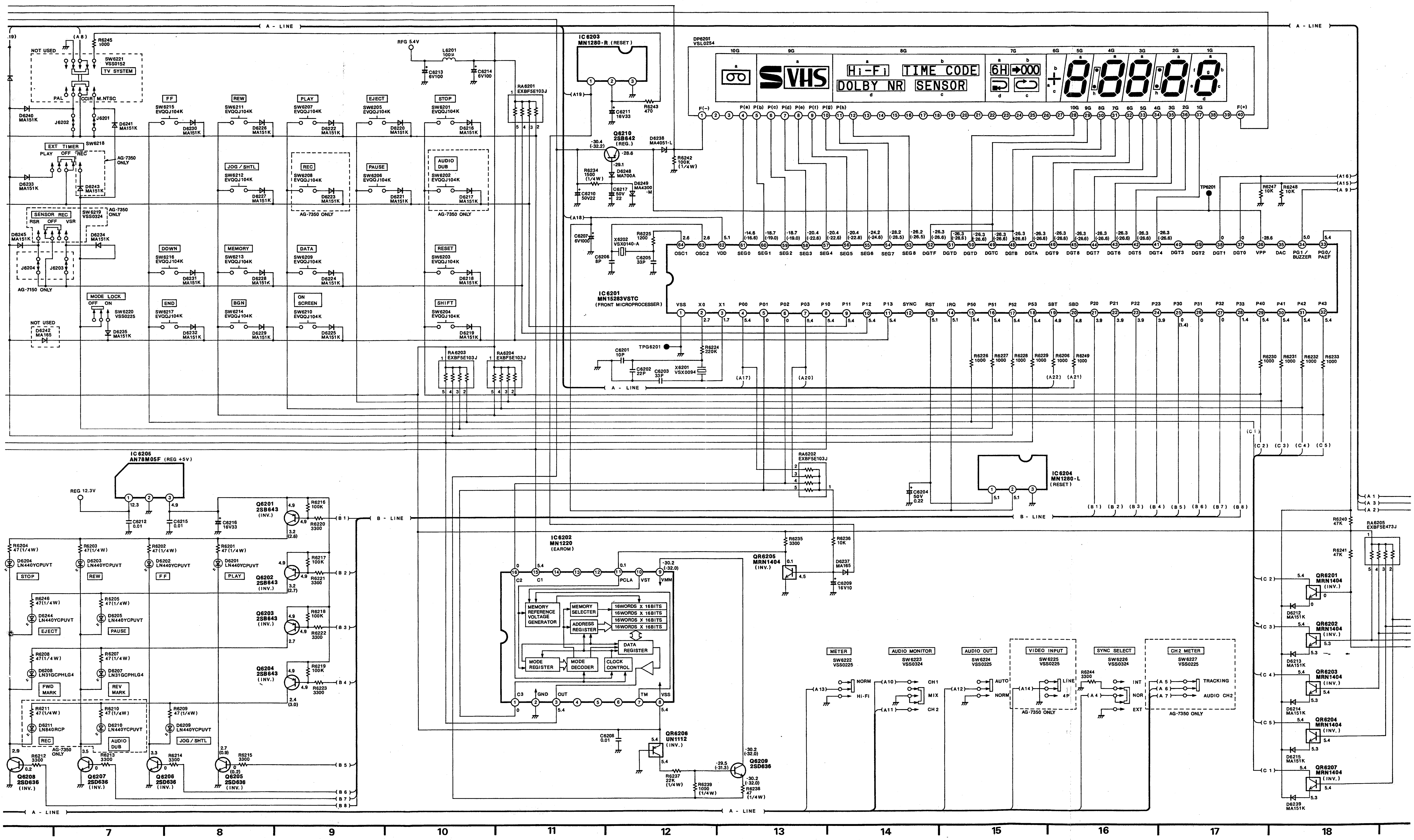
IGNAL PATH IN REC MODE


D - LINE
A - LINE
B - LINE
IC 2
LA7296
IC 3
CXA1101P
(DOLBY PROCESS)
IC 5
AN6912S
(AMP)
REC EDL AMP
PB EDL AMP
LINE AMP
ALC
ALC DET
OVER SHOOT SUPRESSOR
VARIABLE FILTER
MIX
AMP
FL1 VLF0402
FL2 VLF0402
Q20 MSD602 (REG.)
Q21 MSD601 (AMP)
Q24 MSD601 (AMP)
Q29 2SD1328
Q18 2SB779 (PAL Ⓗ:ON)
Q19 2SB779 (PAL Ⓗ:ON)
Q14 2SD814 (PB:ON)
Q15 2SD814 (PB:ON)
Q16 2SD814 (PB:ON)
Q17 2SD814 (PB:ON)
Q22 2SB792 (PB:ON)
Q23 2SB792 (PB:ON)
Q25 2SB792 (S CAS:OFF)
Q26 2SB792 (S CAS:OFF)
QR21 UN2115
QR22 MRN1404 (INV.)
QR23 MRN1404 (INV.)
QR24 MRN1404 (POWER ON MUTE)
QR25 UN2115
QR26 MRN1404 (INV.)
QR27 MRN1404 (INV.)
QR28 MRN2404 (INV.)
QR29 UN2215 (INV.)
QR30 MRN1404 (INV.)
QR31 MRN1404 (INV.)
QR32 UN2215
QR33 UN2215 (S CAS:ON)
QR34 MRN2404 (INV.)
QR35 UN2215 (INV.)
QR36 MRN2404
QR37 UN2215
QR38 MRN1404 (INV.)
QR39 UN2215 (S CAS:ON)
QR40 MRN1404 (INV.)
QR41 MRN1404 (INV.)
QR42 MRN1402 (INV.)
QR43 MRN1404 (INV.)
QR44 MRN2404 (S CAS:OFF)
QR45 MRN2404 (S CAS:ON)
QR46 MRN1403 (INV.)
QR47 MRN1404 (INV.)
QR48 MRN1404 (INV.)
QR50 MRN1404 (CH1 DREC:ON)
QR17 UN2215 (EE:ON)
D4 MA151WA
D5 MA151WA
D6 MA151WA
D10 MA151WK
D13 MA151K
D14 MA151WA
RY2 VSY2067
CH1 EQ
CH1 PB LEV
CH1 REC LEV
CH2 EQ
CH2 PB LEV
CH2 REC LEV
CH2 BIAS
TCG M
VR5 10KB
VR6 20KB
VR7 10KB
VR8 20KB
VR10 10KB
VR11 10KB
TP4003 REC/PLAY 540mVp-p
TP4005 REC PLAY 520mVp-p 490mVp-p
TP4012 REC 600mVp-p
TP4004
TP4011
AG-7350 ONLY
AG-7150 ONLY
NOT USED
P4001 (TO AUDIO (2))
9 A NOR CH1 OUT P4501-10B
8 A NOR CH1 GND P4501-11B
10 A NOR CH2 GND P4501-11B
11 A NOR CH2 OUT P4501-9B
23 B S CAS Ⓛ P6002-6
13 B PAL Ⓛ P6002-4
MOTHER
(TO SERVO & SYSTEM C
REF. NO. 4000 SERIES
7
8
9
10
11
12
13
14
15
16
17

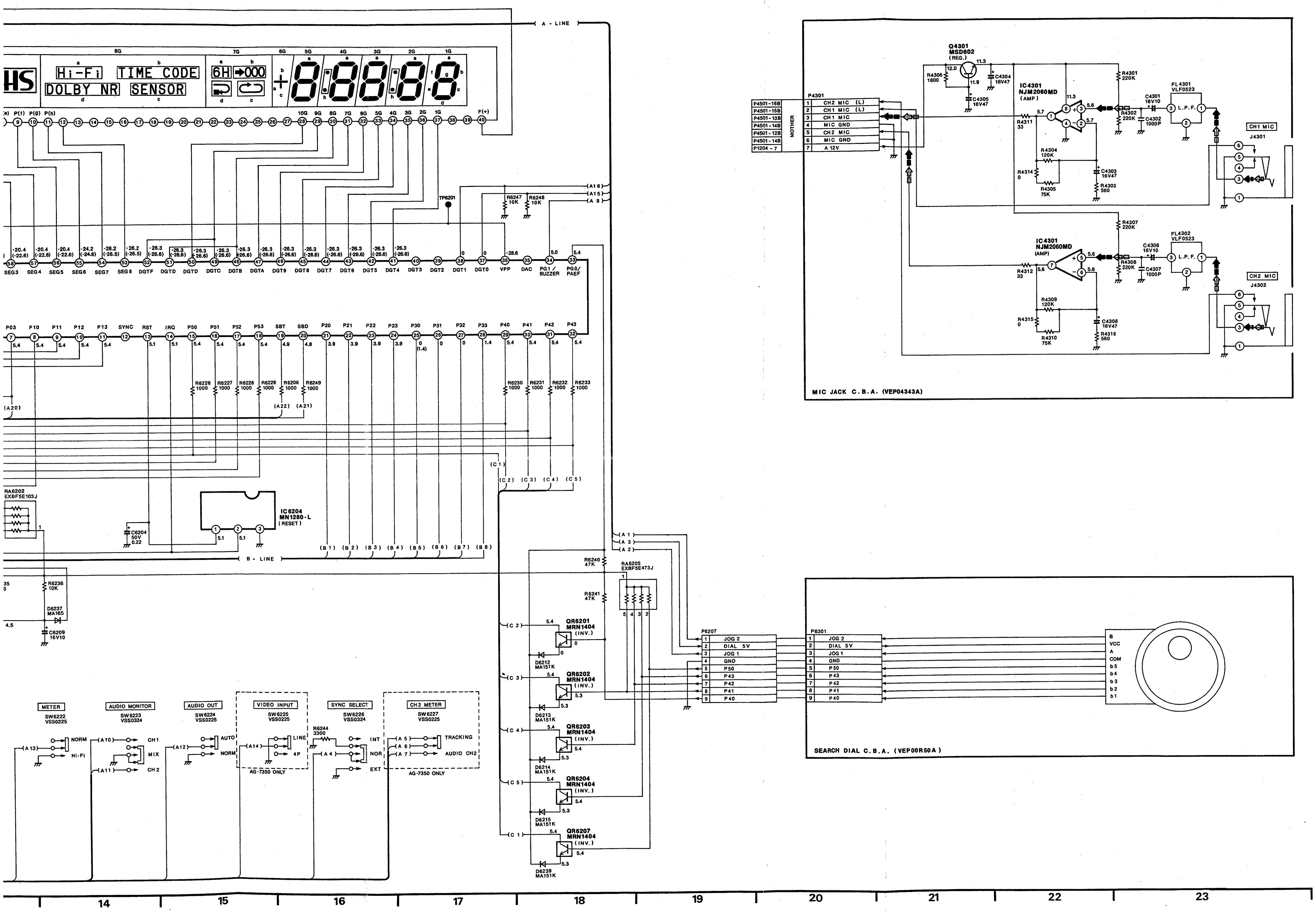
FRONT C.B.A. (VEP06749C: AG-7350/VEP06749D: AG-7150), AUDIO METER C.B.A. (VEP04328A: AG-7350 ONLY), FRONT JACK C.B.A. (VEP04342A) A


FRONT C.B.A. (VEP06749C:AG-7350/VEP06749D:AG-7150)
SERCH DIAL UNIT
(VEK5556)
VEP00R50
JOG DIAL
CIRCUIT
B1
B2
B3
B4
B5
COM
A
VCC
B
P6301
(FOIL SIDE)
SW2 BEGIN
SW13 MEMORY
SW3 RESET
SW9 DATA
SW16 DOWN
SW4 SHIFT
SW10 ON SCREEN
SW17 END
FWD MARK
REV MARK
IC2
QR5
QR6
Q10
L1
DIP
SW6 PAUSE
SW12 JOG/SHTL
SW15 FF
REF.NO.6200 SERIES
FRONT CIRCUIT
MODE LOCK
PLAY
REC
OFF
ON
EXT.TIMER
RSR
SW20
SW18
SENSOR R
P6201
P6202
P6203
P6204
P6205
P6206
P6207
TP1
TP2
RA1
RA3
C
B
A
1
2
3
4
5
6

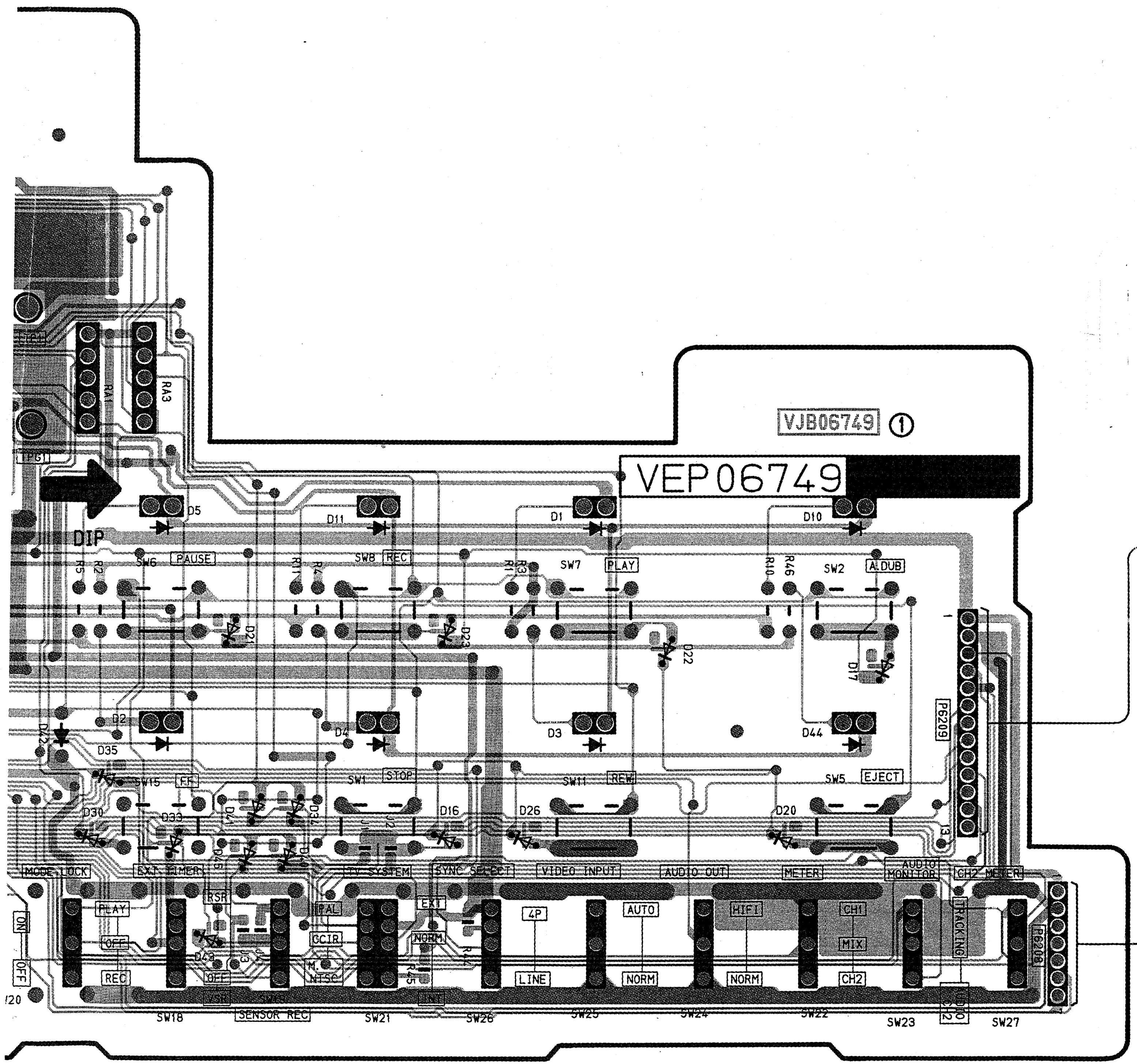
N PLAYBACK MODE ⇦ NORMAL AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE ◀■ Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE ⇦□ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE


A - LINE
B - LINE
IC6203 MN1280-R (RESET)
IC6201 MN15283VSTC (FRONT MICROPROCESSOR)
IC6202 MN1220 (EAROM)
IC6204 MN1280-L (RESET)
IC6205 AN78M05F (REG +5V)
DP6201 VSL0254
Hi-Fi
TIME CODE
DOLBY NR
SENSOR
S VHS
Q6210 2SB642 (REG.)
X6202 VSX0140-A
X6201 VSX0094
RA6201 EXBF5E103J
RA6202 EXBF5E103J
RA6203 EXBF5E103J
RA6204 EXBF5E103J
RA6205 EXBF5E473J
SW6221 VSS0152 TV SYSTEM
PAL
CCIR
M.NTSC
NOT USED
EXT TIMER
PLAY OFF REC
AG-7350 ONLY
SENSOR REC
RSR OFF VSR
SW6219 VSS0324
AG-7150 ONLY
MODE LOCK
OFF ON
SW6220 VSS0225
FF
REW
PLAY
EJECT
STOP
JOG/SHTL
REC
PAUSE
AUDIO DUB
DOWN
MEMORY
DATA
RESET
END
BGN
ON SCREEN
SHIFT
MEMORY REFERENCE VOLTAGE GENERATOR
MEMORY SELECTER
ADDRESS REGISTER
16WORDS X 16BITS
DATA REGISTER
MODE REGISTER
MODE DECODER
CLOCK CONTROL
Q6201 2SB643 (INV.)
Q6202 2SB643 (INV.)
Q6203 2SB643 (INV.)
Q6204 2SB643 (INV.)
Q6205 2SD636 (INV.)
Q6206 2SD636 (INV.)
Q6207 2SD636 (INV.)
Q6208 2SD636 (INV.)
Q6209 2SD636
QR6205 MRN1404 (INV.)
QR6208 UN1112 (INV.)
QR6201 MRN1404 (INV.)
QR6202 MRN1404 (INV.)
QR6203 MRN1404 (INV.)
QR6204 MRN1404 (INV.)
QR6207 MRN1404 (INV.)
STOP
REW
FF
PLAY
EJECT
PAUSE
FWD MARK
REV MARK
REC
AUDIO DUB
JOG/SHTL
METER SW6222 VSS0225 NORM HI-FI
AUDIO MONITOR SW6223 VSS0324 CH1 MIX CH2
AUDIO OUT SW6224 VSS0225 AUTO NORM
VIDEO INPUT SW6225 VSS0225 LINE 4P
SYNC SELECT SW6226 VSS0324 INT NOR EXT
CH2 METER SW6227 VSS0225 TRACKING AUDIO CH2
AG-7350 ONLY
REG 12.3V
RFG 5.4V
TPG6201
TP6201
7
8
9
10
11
12
13
14
15
16
17
18

N SIGNAL PATH IN REC MODE ⇦□ NORMAL AUDIO MAIN SIGNAL PATH IN REC MODE

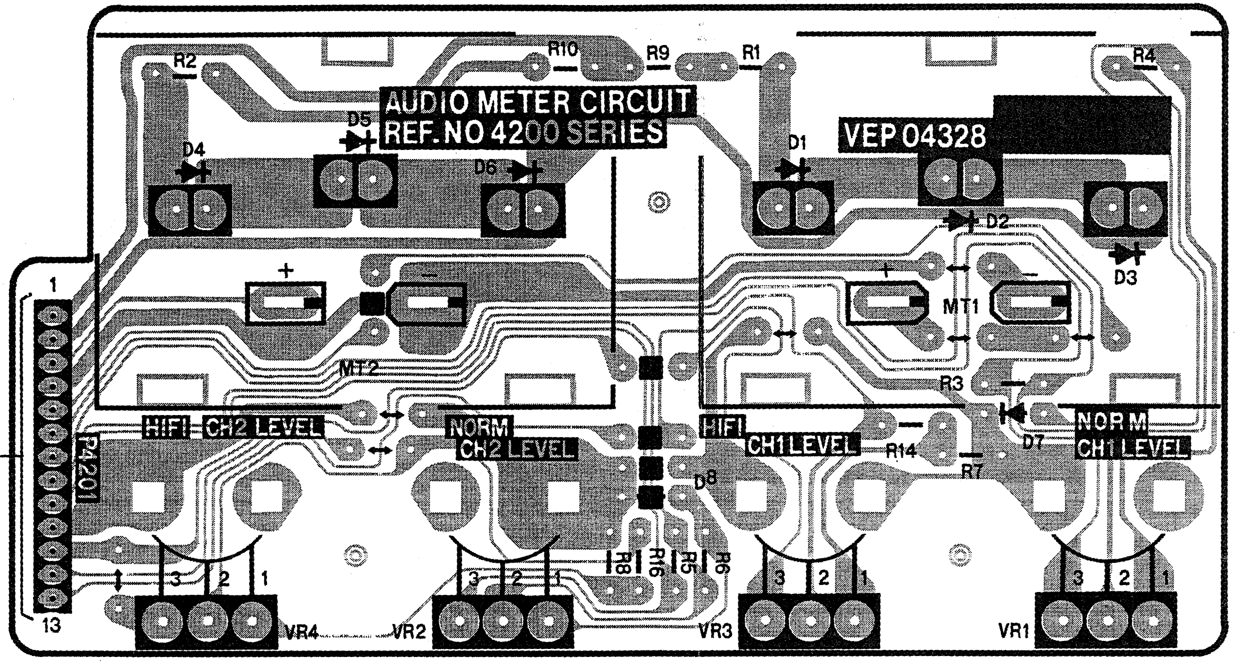

A - LINE
B - LINE
Hi-Fi
TIME CODE
DOLBY NR
SENSOR
6H
TP6201
SEG3 SEG4 SEG5 SEG6 SEG7 SEG8 DGTF DGTD DGTD DGTC DGTB DGTA DGT9 DGT8 DGT7 DGT6 DGT5 DGT4 DGT3 DGT2 DGT1 DGT0 VPP DAC PG1 / BUZZER PG0/ PAEF
P03 P10 P11 P12 P13 SYNC RST IRQ P50 P51 P52 P53 SBT SBD P20 P21 P22 P23 P30 P31 P32 P33 P40 P41 P42 P43
RA6202 EXBF5E103J
IC6204 MN1280-L (RESET)
RA6205 EXBF5E473J
R6240 47K
R6241 47K
QR6201 MRN1404 (INV.)
QR6202 MRN1404 (INV.)
QR6203 MRN1404 (INV.)
QR6204 MRN1404 (INV.)
QR6207 MRN1404 (INV.)
D6212 MA151K
D6213 MA151K
D6214 MA151K
D6215 MA151K
D6239 MA151K
METER SW6222 VSS0225
AUDIO MONITOR SW6223 VSS0324
AUDIO OUT SW6224 VSS0225
VIDEO INPUT SW6225 VSS0225
SYNC SELECT SW6226 VSS0324
CH2 METER SW6227 VSS0225
NORM HI-FI
CH1 MIX CH2
AUTO NORM
LINE 4P
INT NOR EXT
TRACKING AUDIO CH2
AG-7350 ONLY
Q4301 MSD602 (REG.)
IC4301 NJM2060MD (AMP)
FL4301 VLF0523
FL4302 VLF0523
L.P.F.
CH1 MIC J4301
CH2 MIC J4302
P4301
MOTHER
CH2 MIC (L)
CH1 MIC (L)
CH1 MIC
MIC GND
CH2 MIC
MIC GND
A 12V
MIC JACK C.B.A. (VEP04343A)
P6207
P6301
JOG 2
DIAL 5V
JOG 1
GND
P50
P43
P42
P41
P40
SEARCH DIAL C.B.A. (VEP00R50A)
14
15
16
17
18
19
20
21
22
23

.A. (VEP04342A) AND SEARCH DIAL UNIT (VEK5556)


VJB06749 ①
VEP06749
DIP
D5
D11
D1
D10
SW6
PAUSE
SW8
REC
SW7
PLAY
SW2
A.DUB
RA1
RA3
D21
D23
D22
D17
P6209
D2
D35
D4
D3
D44
SW15
FF
SW1
STOP
SW11
REW
SW5
EJECT
D30
D33
D16
D26
D20
MODE LOCK
EXT TIMER
TV SYSTEM
SYNC SELECT
VIDEO INPUT
AUDIO OUT
METER
AUDIO MONITOR
CH2 METER
PLAY
OFF
REC
RSR
OFF
PAL
CCIR
NTSC
EXT
NORM
4P
LINE
AUTO
NORM
HIFI
NORM
CH1
MIX
CH2
TRACKING
P6208
SW18
SENSOR REC
SW21
SW26
SW25
SW24
SW22
SW23
SW27
ON
OFF

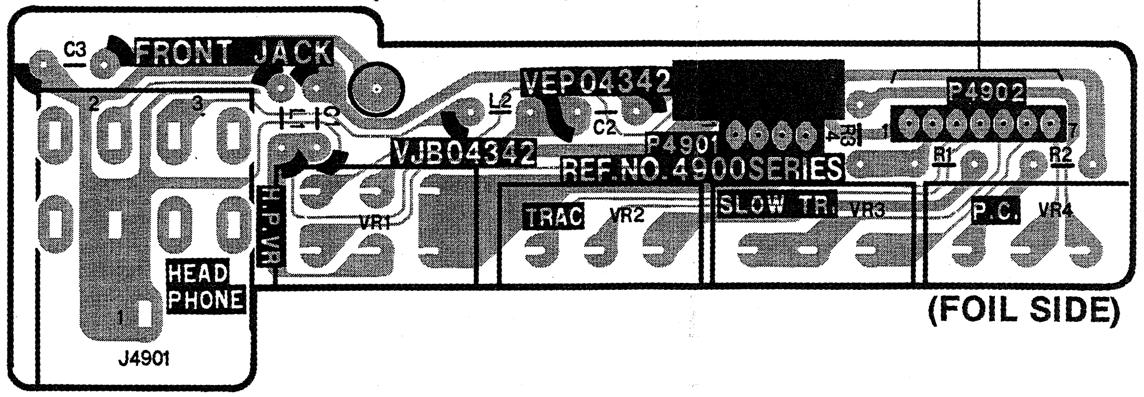
(FOIL SIDE)

AUDIO METER C.B.A. (VEP04328A:AG-7350 ONLY)


AUDIO METER CIRCUIT
REF.NO 4200 SERIES
VEP04328
R2
R10
R9
R1
R4
D4
D5
D6
D1
D2
D3
MT1
MT2
R3
D7
P4201
HIFI CH2 LEVEL
NORM CH2 LEVEL
HIFI CH1 LEVEL
NORM CH1 LEVEL
R14
R7
D8
R8
R16
R5
R6
VR4
VR2
VR3
VR1
1
13

(FOIL SIDE)

FRONT JACK C.B.A. (VEP04342A)


C3
FRONT JACK
VEP04342
VJB04342
L2
C2
P4901
REF.NO.4900SERIES
P4902
R3
R1
R2
H.P.VR
VR1
TRAC
VR2
SLOW TR.
VR3
P.C.
VR4
HEAD PHONE
J4901

(FOIL SIDE)

6 7 8 9 10 11 12

FRONT SCHEMATIC DIAGRAM

Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

NORMAL AUDIO MAIN SIGNAL PATH IN P

FRONT C.B.A.	
Transistor	
Q6201	B-5 Ⓕ
Q6202	B-5 Ⓕ
Q6203	B-5 Ⓕ
Q6204	B-5 Ⓕ
Q6205	B-6 Ⓕ
Q6206	B-5 Ⓕ
Q6207	B-6 Ⓕ
Q6208	B-6 Ⓕ
Q6209	B-4 Ⓕ
Q6210	C-3 Ⓕ
Transistor & Resistor	
QR6201	A-5 Ⓕ
QR6202	A-5 Ⓕ
QR6203	A-5 Ⓕ
QR6204	A-5 Ⓕ
QR6205	B-4 Ⓕ
QR6206	B-4 Ⓕ
QR6207	B-5 Ⓕ
Integrated Circuit	
IC6201	C-5 Ⓕ
IC6202	B-4 Ⓕ
IC6203	B-4 Ⓕ
IC6204	C-3 Ⓕ
IC6205	A-3 Ⓕ
Test Point	
TP6201	C-6 Ⓕ
TP6202	B-5 Ⓕ
TPG6201	B-6 Ⓕ
Connector	
P6201	A-6 Ⓕ
P6202	A-5 Ⓕ
P6203	A-4 Ⓕ
P6204	A-4 Ⓕ
P6205	A-3 Ⓕ
P6206	B-3 Ⓕ
P6207	A-5 Ⓕ
P6208	B-9 Ⓕ
P6209	B-9 Ⓕ
P6301	A-2 Ⓕ

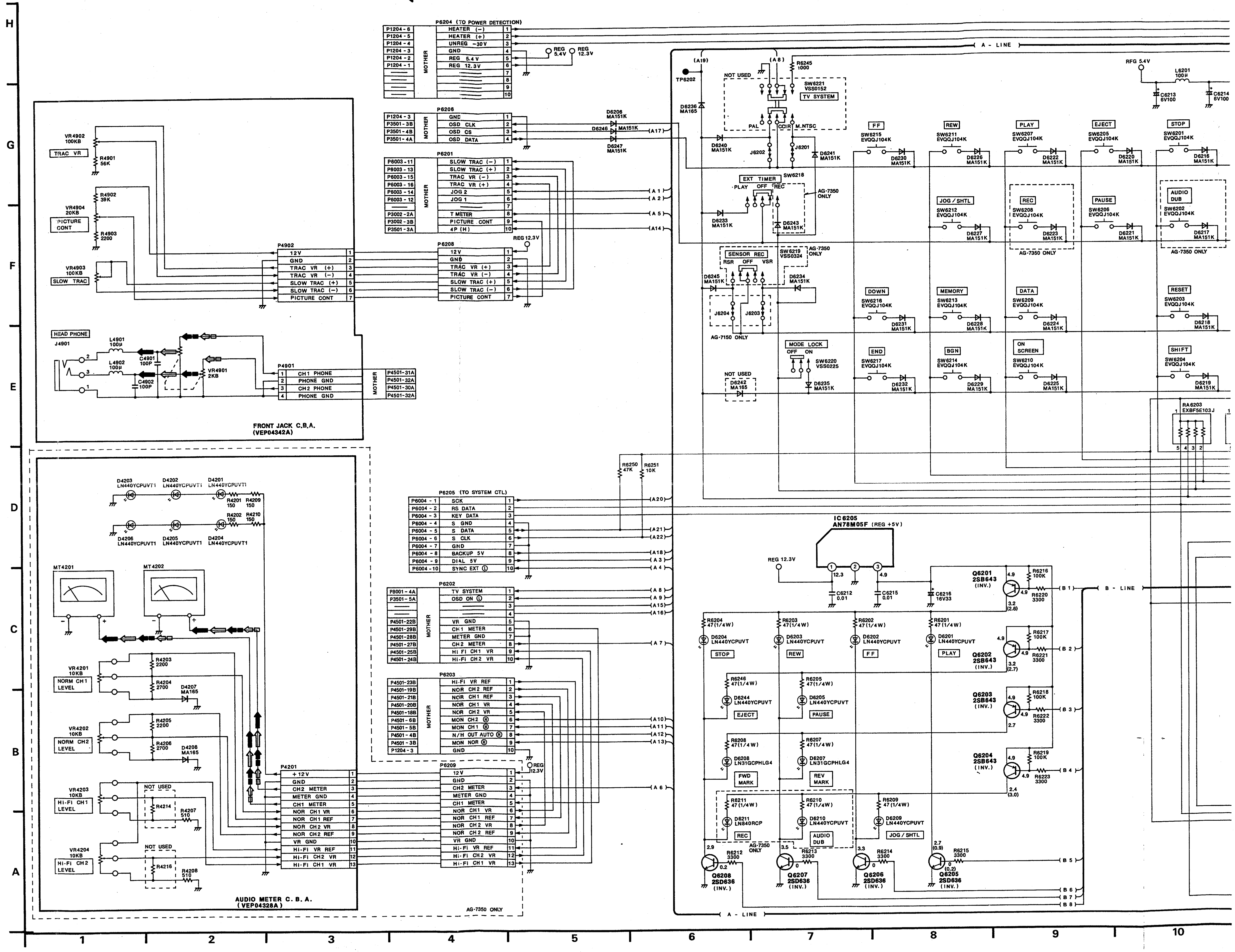
ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

AUDIO METER C.B.A.	
Adjustment	
VR4201	B-12 Ⓕ
VR4202	B-10 Ⓕ
VR4203	B-11 Ⓕ
VR4204	B-10 Ⓕ
Connector	
P4201	B-10 Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

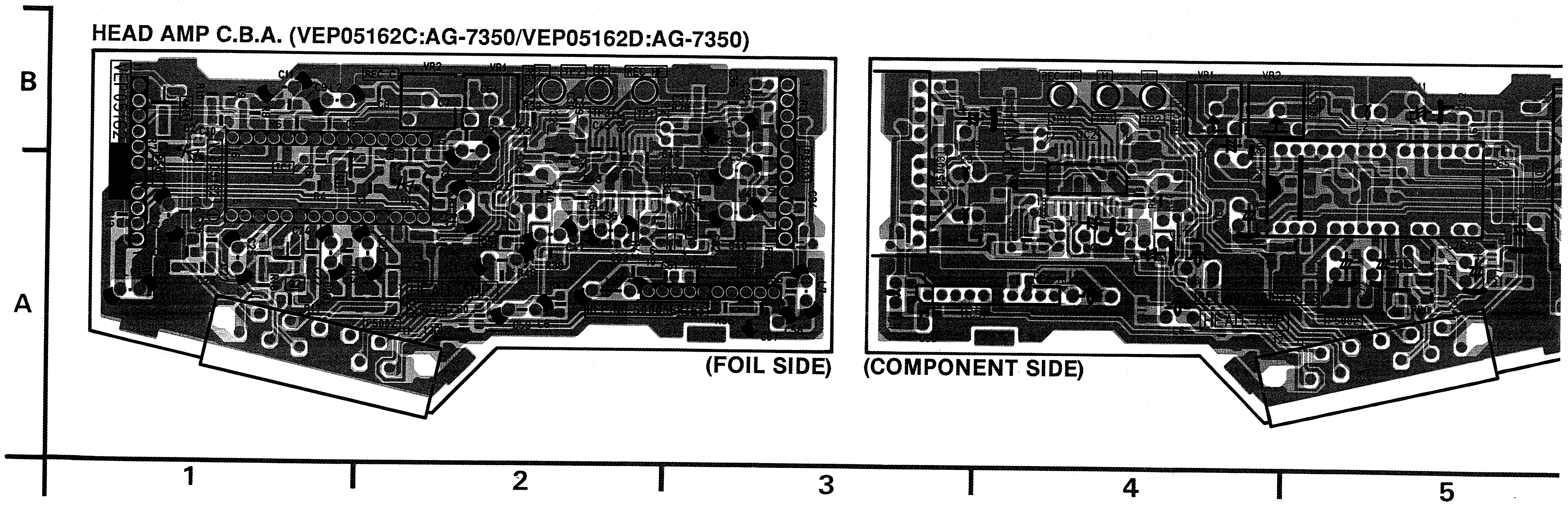
FRONT JACK C.B.A.	
Adjustment	
VR4901	A-10 Ⓕ
VR4902	A-11 Ⓕ
VR4903	A-11 Ⓕ
VR4904	A-12 Ⓕ
Connector	
P4901	A-11 Ⓕ
P4902	A-12 Ⓕ

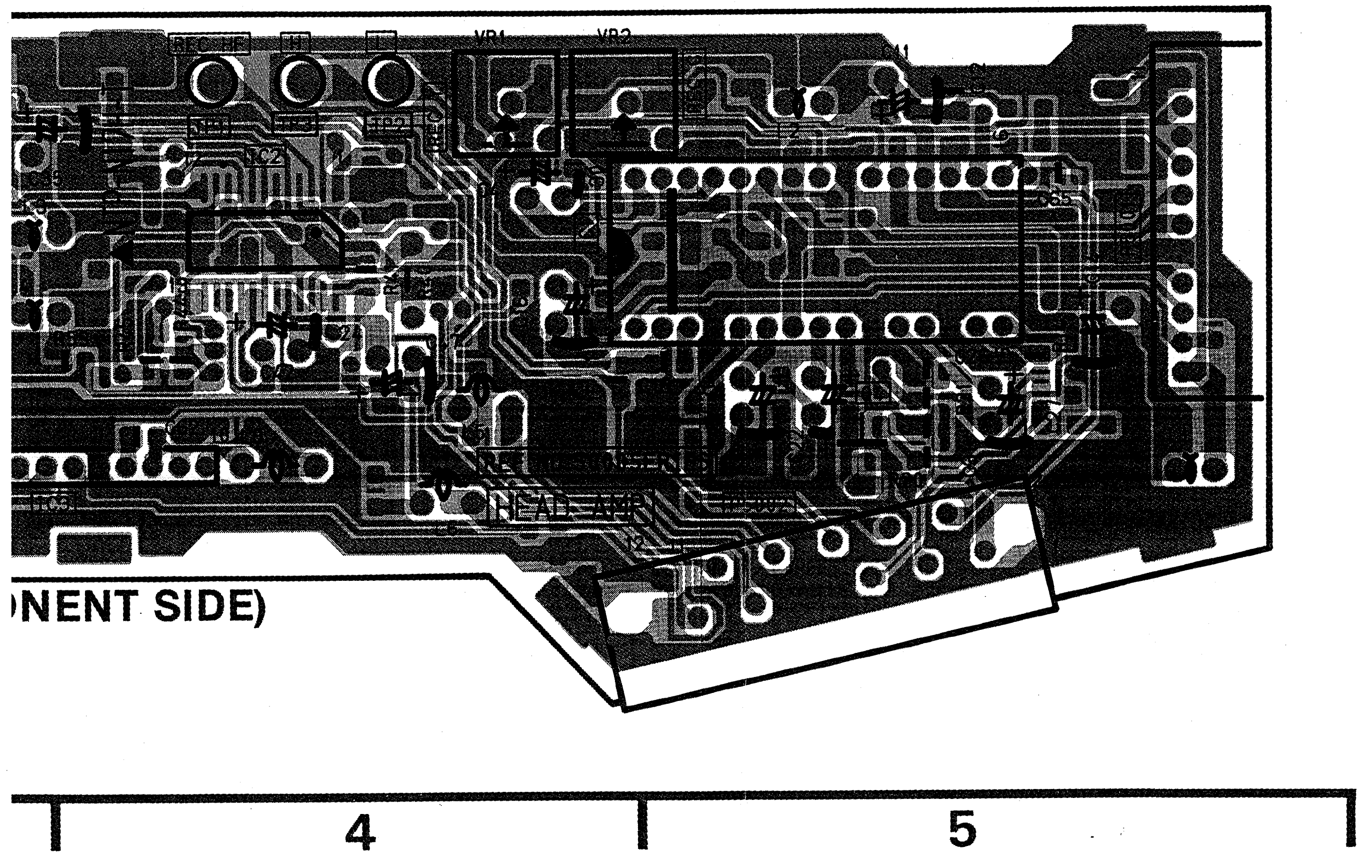
ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE



H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
P6204 (TO POWER DETECTION)
HEATER (−)
HEATER (+)
UNREG −30V
GND
REG 5.4V
REG 12.3V
MOTHER
P6206
OSD CLK
OSD CS
OSD DATA
P6201
SLOW TRAC (−)
SLOW TRAC (+)
TRAC VR (−)
TRAC VR (+)
JOG 2
JOG 1
T METER
PICTURE CONT
4P (H)
P6208
12V
TRAC VR (+)
TRAC VR (−)
SLOW TRAC (+)
SLOW TRAC (−)
PICTURE CONT
P4902
TRAC VR
PICTURE CONT
SLOW TRAC
HEAD PHONE
J4901
P4901
CH1 PHONE
PHONE GND
CH2 PHONE
FRONT JACK C.B.A.
(VEP04342A)
P6205 (TO SYSTEM CTL)
SCK
RS DATA
KEY DATA
S GND
S DATA
S CLK
BACKUP 5V
DIAL 5V
SYNC EXT
P6202
TV SYSTEM
OSD ON
VR GND
CH1 METER
METER GND
CH2 METER
HI FI CH1 VR
HI-FI CH2 VR
P6203
HI-FI VR REF
NOR CH2 REF
NOR CH1 REF
NOR CH1 VR
NOR CH2 VR
MON CH2
MON CH1
N/H OUT AUTO
MON NOR
MT4201
MT4202
NORM CH1 LEVEL
NORM CH2 LEVEL
HI-FI CH1 LEVEL
HI-FI CH2 LEVEL
NOT USED
P4201
P6209
AUDIO METER C. B. A.
(VEP04328A)
AG-7350 ONLY
IC6205
AN78M05F (REG +5V)
REG 12.3V
Q6201 2SB643 (INV.)
Q6202 2SB643 (INV.)
Q6203 2SB643 (INV.)
Q6204 2SB643 (INV.)
Q6205 2SD636 (INV.)
Q6206 2SD636 (INV.)
Q6207 2SD636 (INV.)
Q6208 2SD636 (INV.)
A - LINE
B - LINE
STOP
REW
FF
PLAY
EJECT
PAUSE
FWD MARK
REV MARK
REC
AUDIO DUB
JOG / SHTL
TV SYSTEM
PAL
CCIR
M.NTSC
EXT TIMER
SENSOR REC
DOWN
MEMORY
DATA
RESET
MODE LOCK
END
BGN
ON SCREEN
SHIFT
AG-7150 ONLY
RFG 5.4V
TP6202

HEAD AMP C.B.A. (VEP05162C: AG-7350/VEP05162D: AG-7150)


HEAD AMP C.B.A. (VEP05162C:AG-7350/VEP05162D:AG-7350)
B
A
1
2
3
4
5
(FOIL SIDE)
(COMPONENT SIDE)

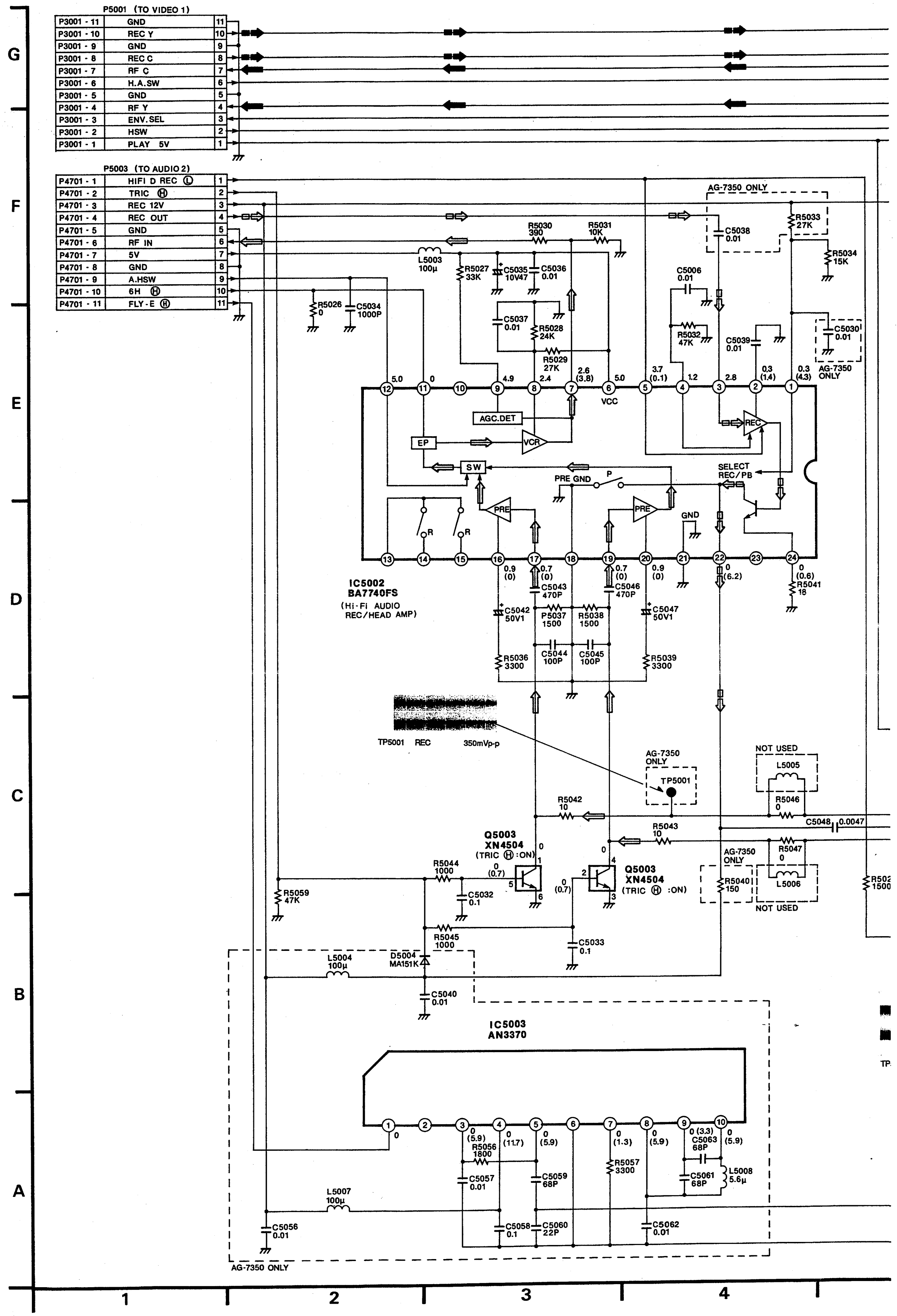

REC HF
VR1
VR2
IC2
HEAD AMP
4
5

NENT SIDE)

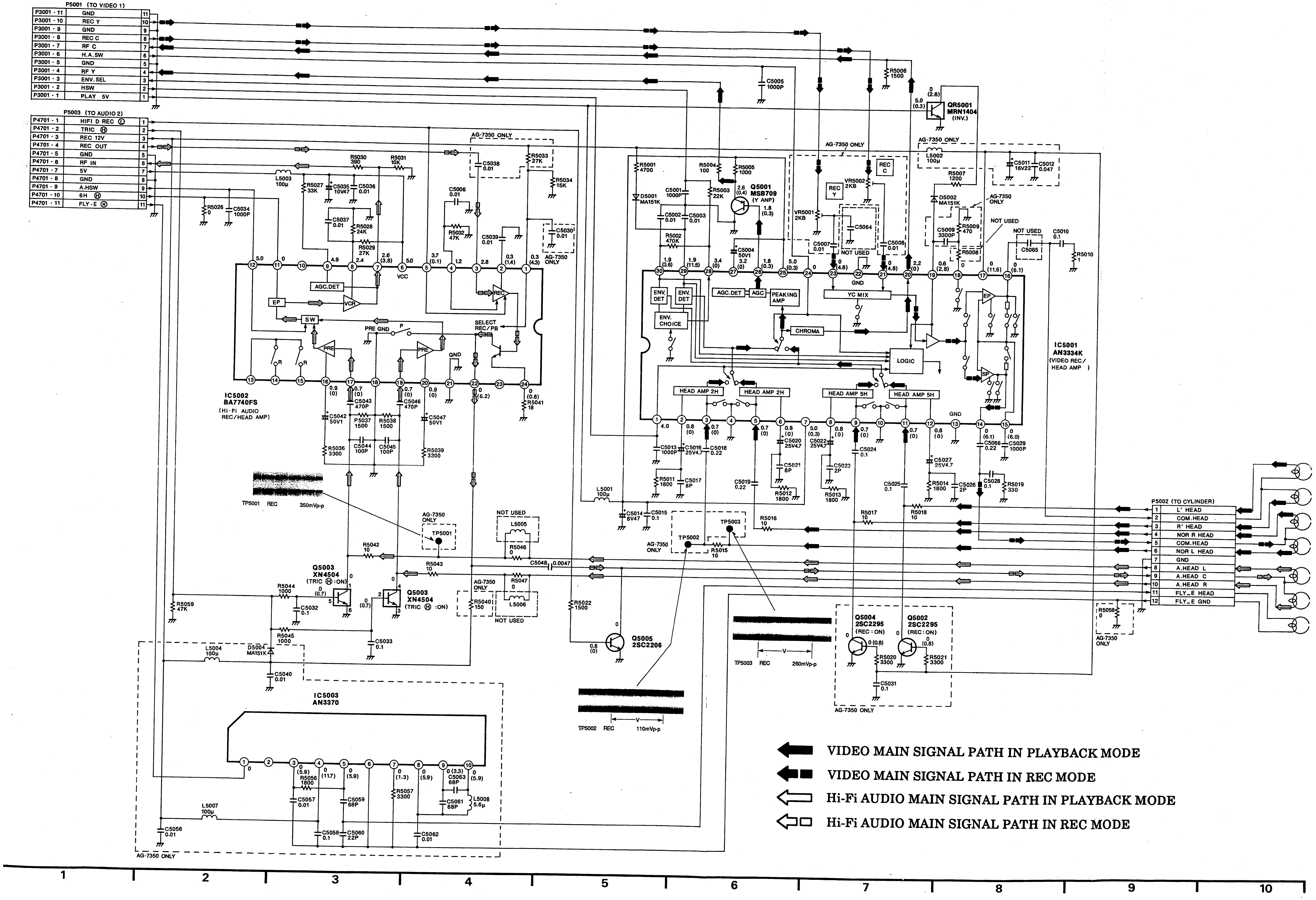
HEAD AMP C.B.A.	
Transistor	
Q5001	A-1 Ⓕ
Q5002	A-1 Ⓕ
Q5003	A-3 Ⓕ
Q5004	A-5 ©
Q5005	A-2 Ⓕ
Transistor & Resistor	
QR5001	B-1 Ⓕ
Integrated Circuit	
IC5001	A-1 Ⓕ
IC5001	A-4 ©
IC5002	B-4 ©
IC5003	A-3 Ⓕ
IC5003	A-4 ©
Adjustment	
VR5001	B-2 Ⓕ
VR5001	B-4 ©
VR5002	B-2 Ⓕ
VR5002	B-5 ©
Test Point	
TP5001	B-2 Ⓕ
TP5001	B-4 ©
TP5002	B-2 Ⓕ
TP5002	B-4 ©
TP5003	B-2 Ⓕ
TP5003	B-4 ©
Connector	
P5001	A-1 Ⓕ
P5001	A-5 ©
P5002	A-2 Ⓕ
P5002	A-5 ©
P5003	A-3 Ⓕ
P5003	A-3 ©

ADDRESS INFORMATION
©...COMPONENT SIDE
Ⓕ...FOIL SIDE

HEAD AMP SCHEMATIC DIAGRAM


G
F
E
D
C
B
A
1
2
3
4
P5001 (TO VIDEO 1)
P3001 - 11 GND 11
P3001 - 10 REC Y 10
P3001 - 9 GND 9
P3001 - 8 REC C 8
P3001 - 7 RF C 7
P3001 - 6 H.A.SW 6
P3001 - 5 GND 5
P3001 - 4 RF Y 4
P3001 - 3 ENV.SEL 3
P3001 - 2 HSW 2
P3001 - 1 PLAY 5V 1
P5003 (TO AUDIO 2)
P4701 - 1 HIFI D REC Ⓛ 1
P4701 - 2 TRIC Ⓗ 2
P4701 - 3 REC 12V 3
P4701 - 4 REC OUT 4
P4701 - 5 GND 5
P4701 - 6 RF IN 6
P4701 - 7 5V 7
P4701 - 8 GND 8
P4701 - 9 A.HSW 9
P4701 - 10 6H Ⓗ 10
P4701 - 11 FLY - E Ⓗ 11
AG-7350 ONLY
R5033 27K
R5034 15K
C5038 0.01
R5030 390
R5031 10K
L5003 100µ
R5027 33K
C5035 10V47
C5036 0.01
C5006 0.01
R5026 0
C5034 1000P
C5037 0.01
R5028 24K
R5029 27K
R5032 47K
C5039 0.01
C5030 0.01
AGC.DET
EP
VCR
SW
PRE GND
P
PRE
GND
REC
SELECT REC/PB
VCC
R
IC5002 BA7740FS
(Hi-Fi AUDIO REC/HEAD AMP)
C5043 470P
C5046 470P
C5042 50V1
R5037 1500
R5038 1500
C5047 50V1
C5044 100P
C5045 100P
R5036 3300
R5039 3300
R5041 18
TP5001 REC 350mVp-p
AG-7350 ONLY
TP5001
NOT USED
L5005
R5046 0
R5042 10
C5048 0.0047
R5043 10
Q5003 XN4504 (TRIC Ⓗ :ON)
R5044 1000
C5032 0.1
R5059 47K
R5040 150
R5047 0
L5006
R5045 1000
C5033 0.1
L5004 100µ
D5004 MA151K
C5040 0.01
IC5003 AN3370
R5056 1800
C5057 0.01
C5059 68P
R5057 3300
C5063 68P
C5061 68P
L5008 5.6µ
L5007 100µ
C5056 0.01
C5058 0.1
C5060 22P
C5062 0.01
AG-7350 ONLY
R502 1500

EAD AMP SCHEMATIC DIAGRAM


P5001 (TO VIDEO 1)
P3001 - 11 GND 11
P3001 - 10 REC Y 10
P3001 - 9 GND 9
P3001 - 8 REC C 8
P3001 - 7 RF C 7
P3001 - 6 H.A.SW 6
P3001 - 5 GND 5
P3001 - 4 RF Y 4
P3001 - 3 ENV.SEL 3
P3001 - 2 HSW 2
P3001 - 1 PLAY 5V 1
P5003 (TO AUDIO 2)
P4701 - 1 HIFI D REC Ⓛ 1
P4701 - 2 TRIC Ⓗ 2
P4701 - 3 REC 12V 3
P4701 - 4 REC OUT 4
P4701 - 5 GND 5
P4701 - 6 RF IN 6
P4701 - 7 5V 7
P4701 - 8 GND 8
P4701 - 9 A.HSW 9
P4701 - 10 6H Ⓗ 10
P4701 - 11 FLY-E Ⓗ 11
IC5002 BA7740FS (Hi-Fi AUDIO REC/HEAD AMP)
AGC.DET
VCR
EP
SW
PRE
SELECT REC/PB
REC
PRE GND
VCC
AG-7350 ONLY
IC5001 AN3334K (VIDEO REC/ HEAD AMP)
ENV. DET
ENV. CHOICE
AGC.DET
AGC
PEAKING AMP
YC MIX
CHROMA
LOGIC
HEAD AMP 2H
HEAD AMP 5H
EP
SP
GND
QR5001 MRN1404 (INV.)
Q5001 MSB709 (Y ANP)
REC Y
REC C
VR5001 2KB
VR5002 2KB
NOT USED
P5002 (TO CYLINDER)
1 L' HEAD
2 COM.HEAD
3 R' HEAD
4 NOR R HEAD
5 COM.HEAD
6 NOR L HEAD
7 GND
8 A.HEAD L
9 A.HEAD C
10 A.HEAD R
11 FLY_E HEAD
12 FLY_E GND
Q5003 XN4504 (TRIC Ⓗ :ON)
Q5005 2SC2206
Q5004 2SC2295 (REC : ON)
Q5002 2SC2295 (REC : ON)
IC5003 AN3370
TP5001 REC 350mVp-p
TP5002 REC 110mVp-p
TP5003 REC 260mVp-p
TP5001
TP5002
TP5003
1
2
3
4
5
6
7
8
9
10

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

VIDEO MAIN SIGNAL PATH IN REC MODE

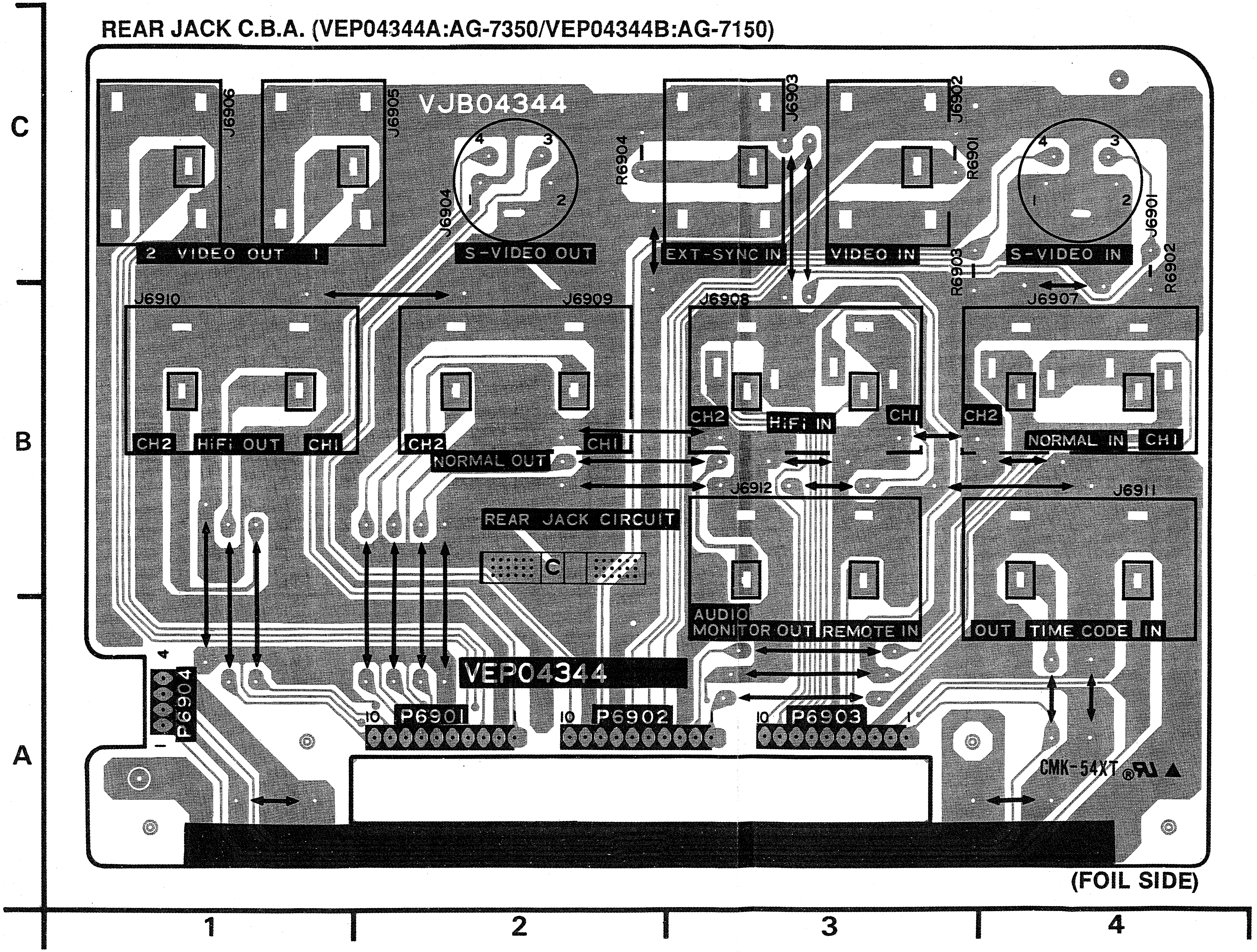
Hi-Fi AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

Hi-Fi AUDIO MAIN SIGNAL PATH IN REC MODE

REAR JACK C.B.A. (VEP04344A: AG-7350/VEP04344B: AG-7150)

REAR JACK C.B.A.	
Connector	
P6901	A-2 Ⓕ
P6902	A-2 Ⓕ
P6903	A-3 Ⓕ
P6904	A-1 Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE


REAR JACK C.B.A. (VEP04344A:AG-7350/VEP04344B:AG-7150)
VJB04344
J6906
J6905
J6904
J6903
J6902
J6901
R6904
R6901
R6903
R6902
2 VIDEO OUT 1
S-VIDEO OUT
EXT-SYNC IN
VIDEO IN
S-VIDEO IN
4
3
1
2
J6910
J6909
J6908
J6907
CH2
HiFi OUT
CH1
NORMAL OUT
HiFi IN
NORMAL IN
J6912
J6911
REAR JACK CIRCUIT
C
AUDIO MONITOR OUT
REMOTE IN
OUT
TIME CODE
IN
VEP04344
P6901
P6902
P6903
P6904
10
1
4
CMK-54XT
(FOIL SIDE)
A
B
C
1
2
3
4

.B.A.
A-2 Ⓕ
A-2 Ⓕ
A-3 Ⓕ
A-1 Ⓕ
RMATION
NT SIDE

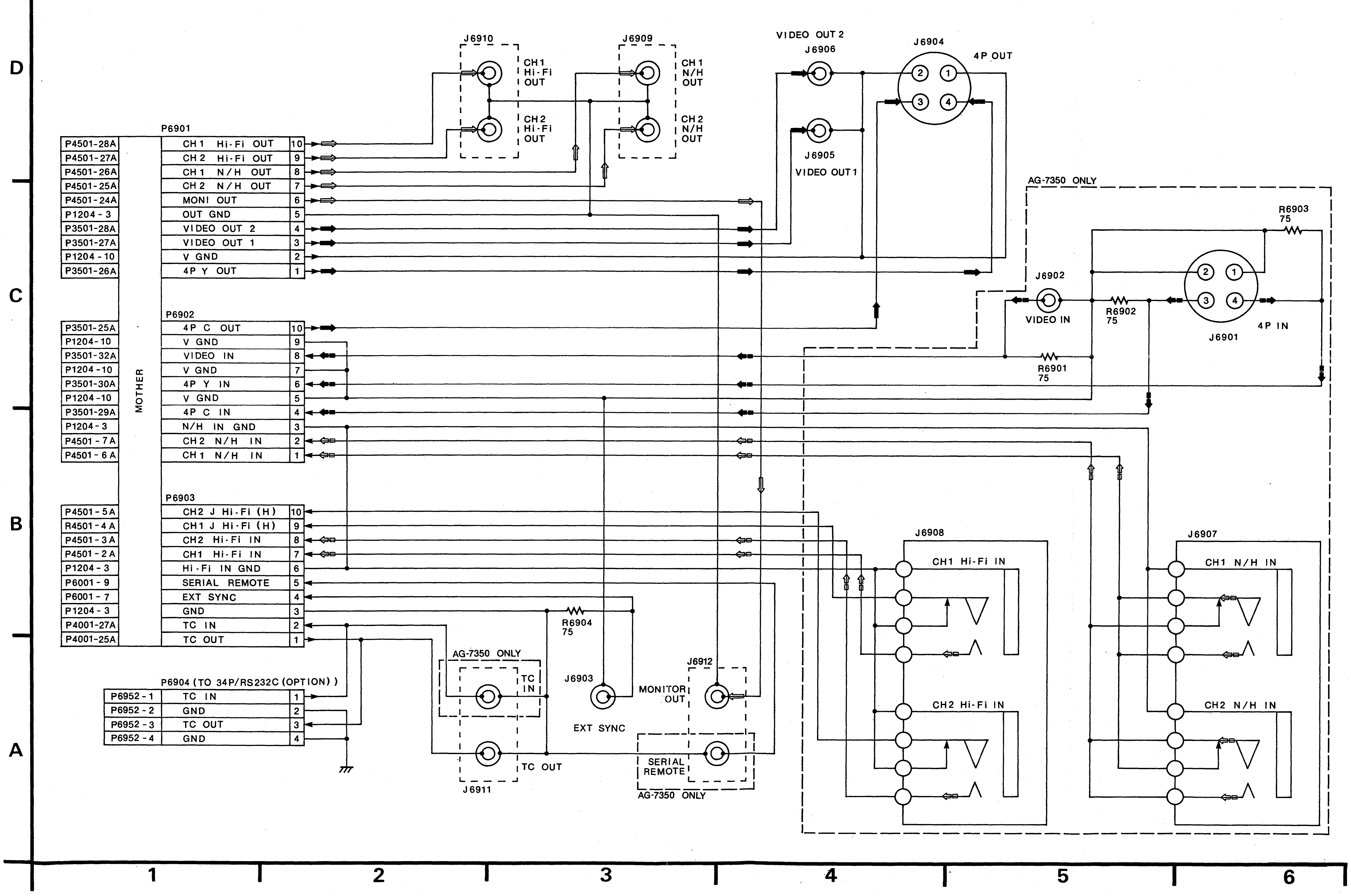
REAR JACK SCHEMATIC DIAGRAM

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

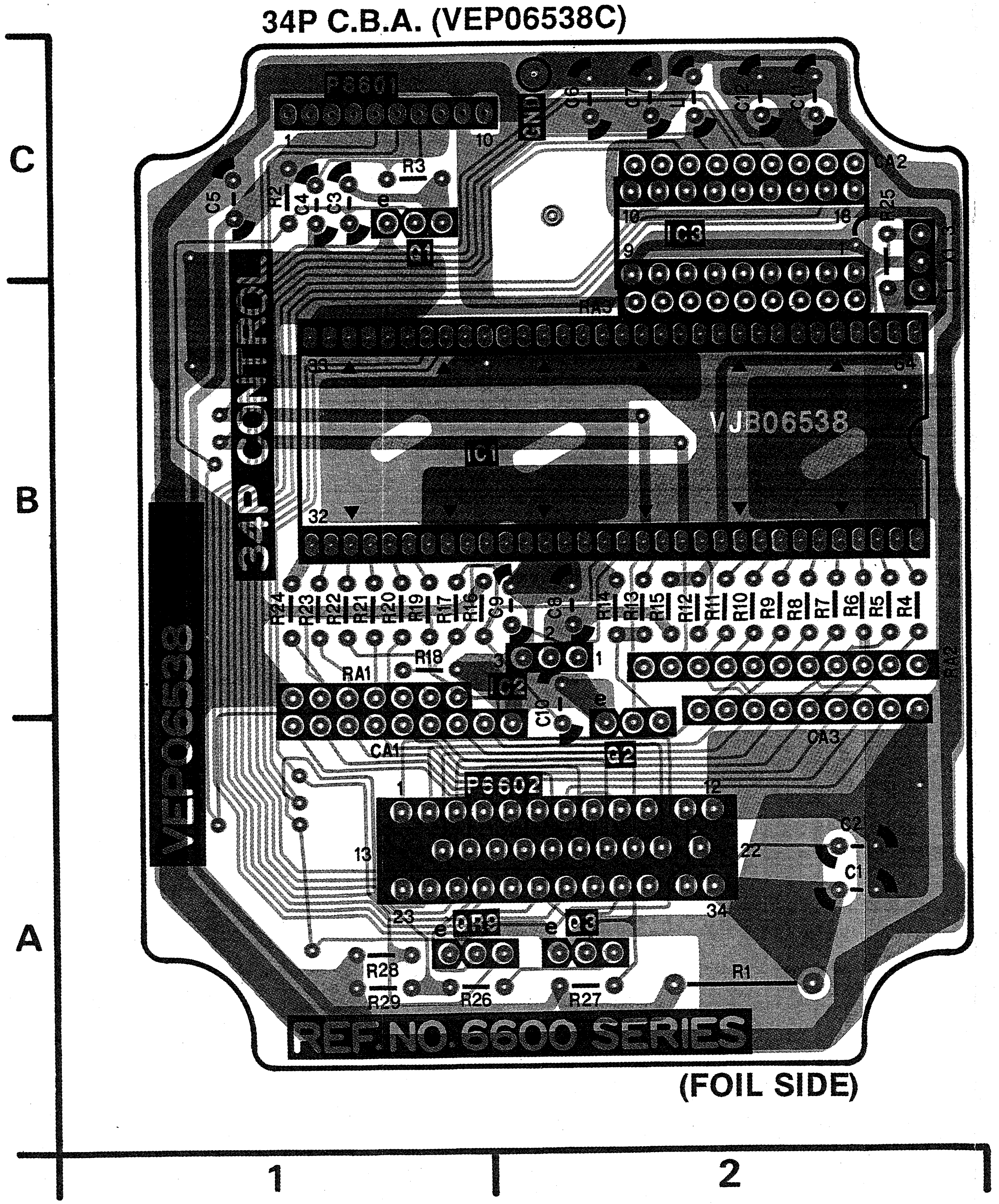
VIDEO MAIN SIGNAL PATH IN REC MODE

AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

AUDIO MAIN SIGNAL PATH IN REC MODE


D
C
B
A
1
2
3
4
5
6
J6910
CH1 Hi-Fi OUT
CH2 Hi-Fi OUT
J6909
CH1 N/H OUT
CH2 N/H OUT
VIDEO OUT 2
J6906
J6905
VIDEO OUT 1
J6904
4P OUT
AG-7350 ONLY
R6903 75
J6902
VIDEO IN
R6902 75
J6901
4P IN
R6901 75
MOTHER
P6901
P4501-28A CH1 Hi-Fi OUT 10
P4501-27A CH2 Hi-Fi OUT 9
P4501-26A CH1 N/H OUT 8
P4501-25A CH2 N/H OUT 7
P4501-24A MONI OUT 6
P1204-3 OUT GND 5
P3501-28A VIDEO OUT 2 4
P3501-27A VIDEO OUT 1 3
P1204-10 V GND 2
P3501-26A 4P Y OUT 1
P6902
P3501-25A 4P C OUT 10
P1204-10 V GND 9
P3501-32A VIDEO IN 8
P1204-10 V GND 7
P3501-30A 4P Y IN 6
P1204-10 V GND 5
P3501-29A 4P C IN 4
P1204-3 N/H IN GND 3
P4501-7A CH2 N/H IN 2
P4501-6A CH1 N/H IN 1
P6903
P4501-5A CH2 J Hi-Fi (H) 10
R4501-4A CH1 J Hi-Fi (H) 9
P4501-3A CH2 Hi-Fi IN 8
P4501-2A CH1 Hi-Fi IN 7
P1204-3 Hi-Fi IN GND 6
P6001-9 SERIAL REMOTE 5
P6001-7 EXT SYNC 4
P1204-3 GND 3
P4001-27A TC IN 2
P4001-25A TC OUT 1
P6904 (TO 34P/RS232C (OPTION))
P6952-1 TC IN 1
P6952-2 GND 2
P6952-3 TC OUT 3
P6952-4 GND 4
J6908
CH1 Hi-Fi IN
CH2 Hi-Fi IN
J6907
CH1 N/H IN
CH2 N/H IN
R6904 75
AG-7350 ONLY
TC IN
J6911
TC OUT
J6903
EXT SYNC
J6912
MONITOR OUT
SERIAL REMOTE
AG-7350 ONLY

34P C.B.A. (VEP06538C)

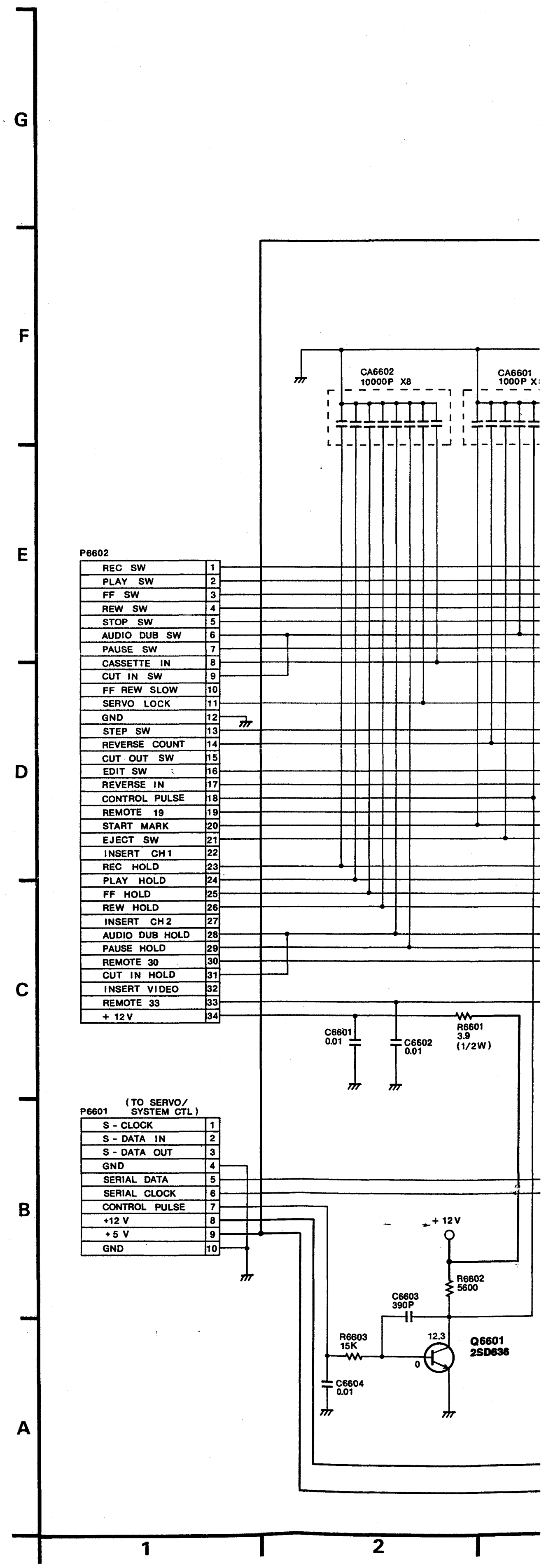

34P C.B.A. (VEP06538C)
C
B
A
1
2
P6601
GND
C6
C7
C4
C5
C3
R2
R3
Q1
CA2
R25
IC3
RA3
36
64
VJB06538
IC1
32
34P CONTROL
VEP06538
R24
R23
R22
R21
R20
R19
R17
R16
C9
C8
R14
R13
R15
R12
R11
R10
R9
R8
R7
R6
R5
R4
R18
RA1
IC2
C10
Q2
CA1
CA3
R32
P6602
1
12
13
22
23
34
C2
C1
QR9
Q3
e
R28
R29
R26
R27
R1
REF.NO.6600 SERIES

(FOIL SIDE)

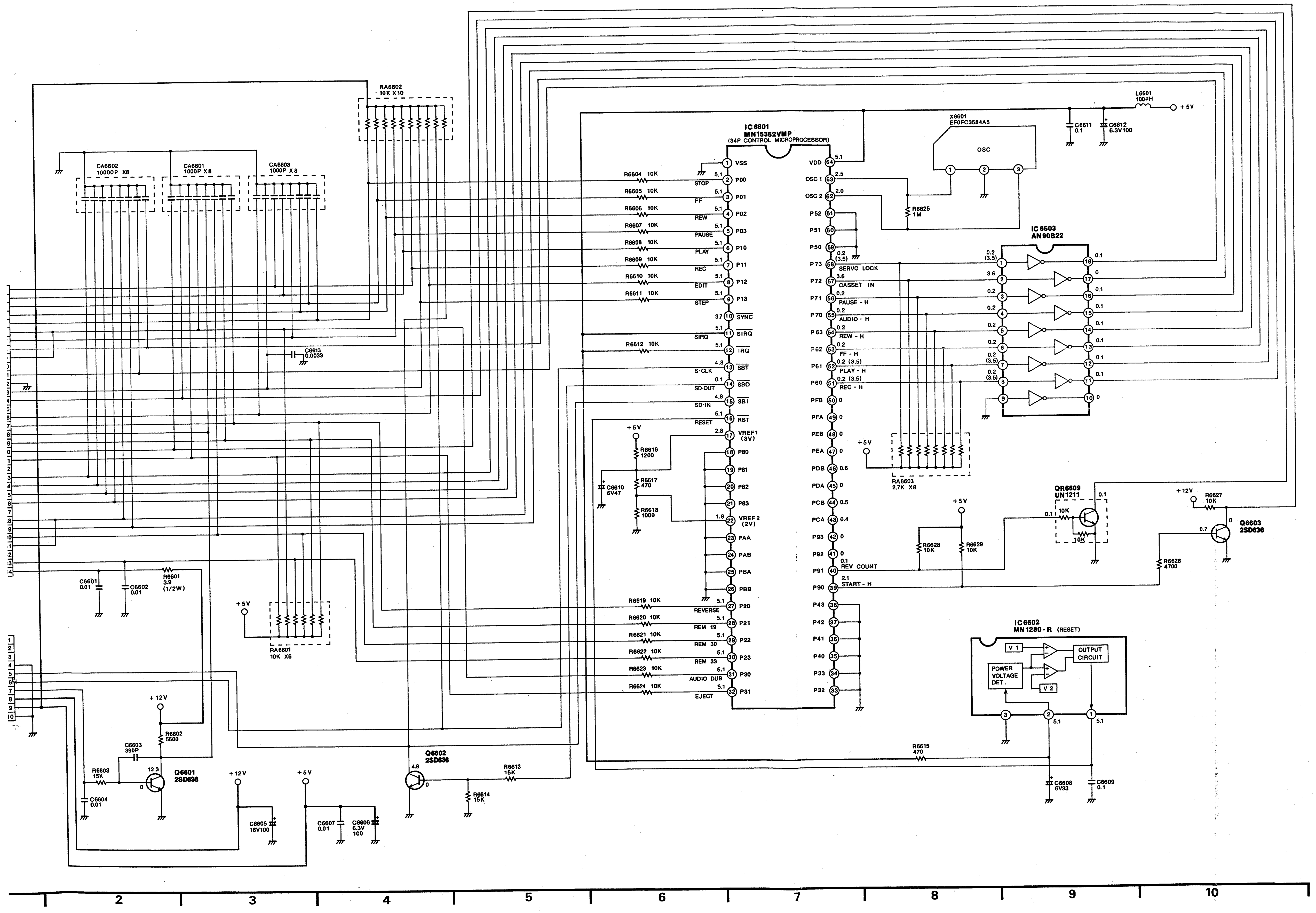
34P C.B.A.	
Transistor	
Q6601 Q6602 Q6603	C-1 A-2 A-2
Transistor & Resistor	
QR6609	A-1
Integrated Circuit	
IC6601 IC6602 IC6603	B-1 B-2 A-2
Connector	
P6601 P6602	C-1 A-2

ADDRESS INFORMATION

34P INTERFACE SCHEMATIC I


G
F
E
D
C
B
A
1
2
CA6602
10000P X8
CA6601
1000P X
P6602
REC SW 1
PLAY SW 2
FF SW 3
REW SW 4
STOP SW 5
AUDIO DUB SW 6
PAUSE SW 7
CASSETTE IN 8
CUT IN SW 9
FF REW SLOW 10
SERVO LOCK 11
GND 12
STEP SW 13
REVERSE COUNT 14
CUT OUT SW 15
EDIT SW 16
REVERSE IN 17
CONTROL PULSE 18
REMOTE 19 19
START MARK 20
EJECT SW 21
INSERT CH1 22
REC HOLD 23
PLAY HOLD 24
FF HOLD 25
REW HOLD 26
INSERT CH2 27
AUDIO DUB HOLD 28
PAUSE HOLD 29
REMOTE 30 30
CUT IN HOLD 31
INSERT VIDEO 32
REMOTE 33 33
+ 12V 34
C6601
0.01
C6602
0.01
R6601
3.9
(1/2W)
P6601
(TO SERVO/
SYSTEM CTL)
S - CLOCK 1
S - DATA IN 2
S - DATA OUT 3
GND 4
SERIAL DATA 5
SERIAL CLOCK 6
CONTROL PULSE 7
+12 V 8
+5 V 9
GND 10
+ 12V
R6602
5600
C6603
390P
R6603
15K
12.3
0
Q6601
2SD636
C6604
0.01

ACE SCHEMATIC DIAGRAM


IC6601
MN15362VMP
(34P CONTROL MICROPROCESSOR)
VSS
P00
P01
P02
P03
P10
P11
P12
P13
SYNC
SIRQ
IRQ
SBT
SBO
SBI
RST
VREF1 (3V)
P80
P81
P82
P83
VREF2 (2V)
PAA
PAB
PBA
PBB
P20
P21
P22
P23
P30
P31
VDD
OSC 1
OSC 2
P52
P51
P50
P73
P72
P71
P70
P63
P62
P61
P60
PFB
PFA
PEB
PEA
PDB
PDA
PCB
PCA
P93
P92
P91
P90
P43
P42
P41
P40
P33
P32
STOP
FF
REW
PAUSE
PLAY
REC
EDIT
STEP
SIRQ
S-CLK
SD-OUT
SD-IN
RESET
REVERSE
REM 19
REM 30
REM 33
AUDIO DUB
EJECT
SERVO LOCK
CASSET IN
PAUSE - H
AUDIO - H
REW - H
FF - H
PLAY - H
REC - H
REV COUNT
START - H
R6604 10K
R6605 10K
R6606 10K
R6607 10K
R6608 10K
R6609 10K
R6610 10K
R6611 10K
R6612 10K
R6619 10K
R6620 10K
R6621 10K
R6622 10K
R6623 10K
R6624 10K
RA6602 10K X10
CA6602 10000P X8
CA6601 1000P X8
CA6603 1000P X8
C6613 0.0033
+5V
R6616 1200
R6617 470
R6618 1000
C6610 6V47
X6601 EF0FC3584A5
OSC
R6625 1M
L6601 100µH
+5V
C6611 0.1
C6612 6.3V100
IC6603
AN90B22
RA6603 2.7K X8
+5V
QR6609 UN1211
10K
10K
+5V
R6628 10K
R6629 10K
+12V
R6627 10K
Q6603 2SD636
R6626 4700
IC6602
MN1280-R (RESET)
V1
V2
OUTPUT CIRCUIT
POWER VOLTAGE DET.
R6615 470
C6608 6V33
C6609 0.1
C6601 0.01
C6602 0.01
R6601 3.9 (1/2W)
+5V
RA6601 10K X6
+12V
R6602 5600
C6603 390P
R6603 15K
C6604 0.01
Q6601 2SD636
+12V
C6605 16V100
+5V
C6607 0.01
C6606 6.3V 100
Q6602 2SD636
R6613 15K
R6614 15K
2
3
4
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7
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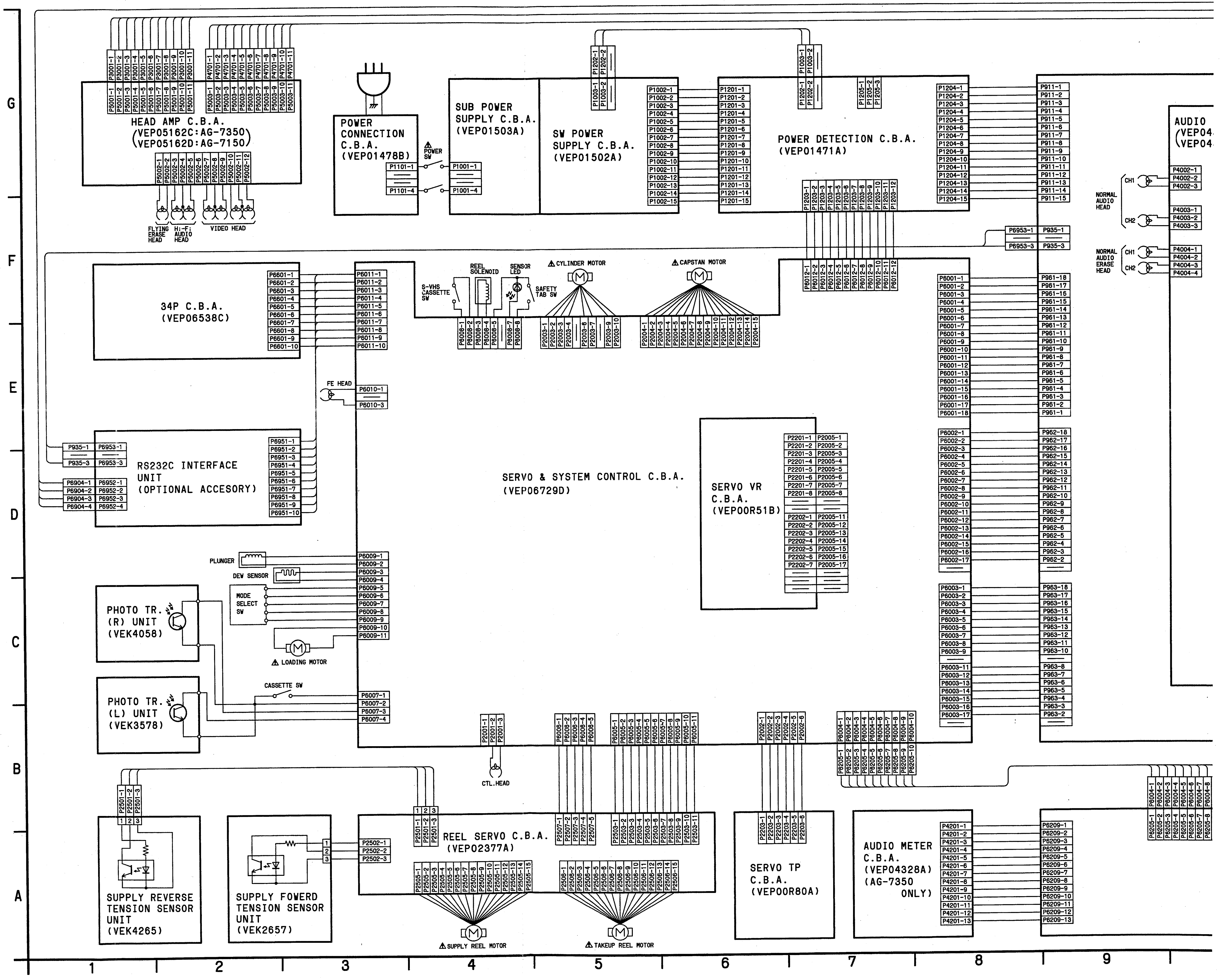
9
10

INTERCONNECTION SCHEMATIC DIAGRAM


HEAD AMP C.B.A.
(VEP05162C:AG-7350)
(VEP05162D:AG-7150)
FLYING ERASE HEAD
Hi-Fi AUDIO HEAD
VIDEO HEAD
POWER CONNECTION C.B.A.
(VEP01478B)
POWER SW
SUB POWER SUPPLY C.B.A.
(VEP01503A)
SW POWER SUPPLY C.B.A.
(VEP01502A)
POWER DETECTION C.B.A.
(VEP01471A)
AUDIO
(VEP04
(VEP04
NORMAL AUDIO HEAD
CH1
CH2
NORMAL AUDIO ERASE HEAD
34P C.B.A.
(VEP06538C)
FE HEAD
RS232C INTERFACE UNIT
(OPTIONAL ACCESORY)
REEL SOLENOID
SENSOR LED
S-VHS CASSETTE SW
SAFETY TAB SW
CYLINDER MOTOR
CAPSTAN MOTOR
SERVO & SYSTEM CONTROL C.B.A.
(VEP06729D)
SERVO VR C.B.A.
(VEP00R51B)
PLUNGER
DEW SENSOR
MODE SELECT SW
LOADING MOTOR
CASSETTE SW
PHOTO TR. (R) UNIT
(VEK4058)
PHOTO TR. (L) UNIT
(VEK3578)
CTL.HEAD
SUPPLY REVERSE TENSION SENSOR UNIT
(VEK4265)
SUPPLY FOWERD TENSION SENSOR UNIT
(VEK2657)
REEL SERVO C.B.A.
(VEP02377A)
SUPPLY REEL MOTOR
TAKEUP REEL MOTOR
SERVO TP C.B.A.
(VEP00R80A)
AUDIO METER C.B.A.
(VEP04328A)
(AG-7350 ONLY)
G
F
E
D
C
B
A
1
2
3
4
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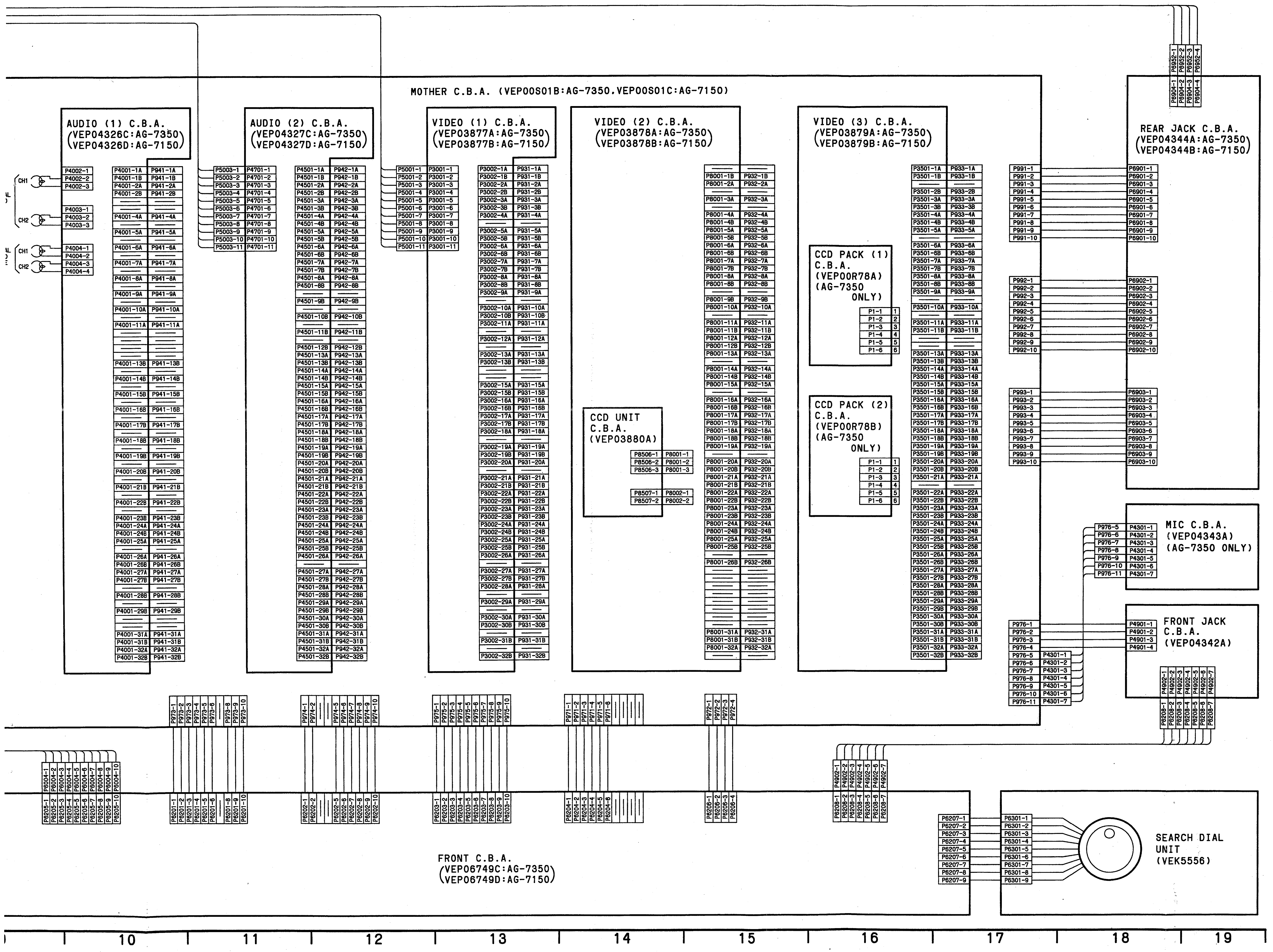
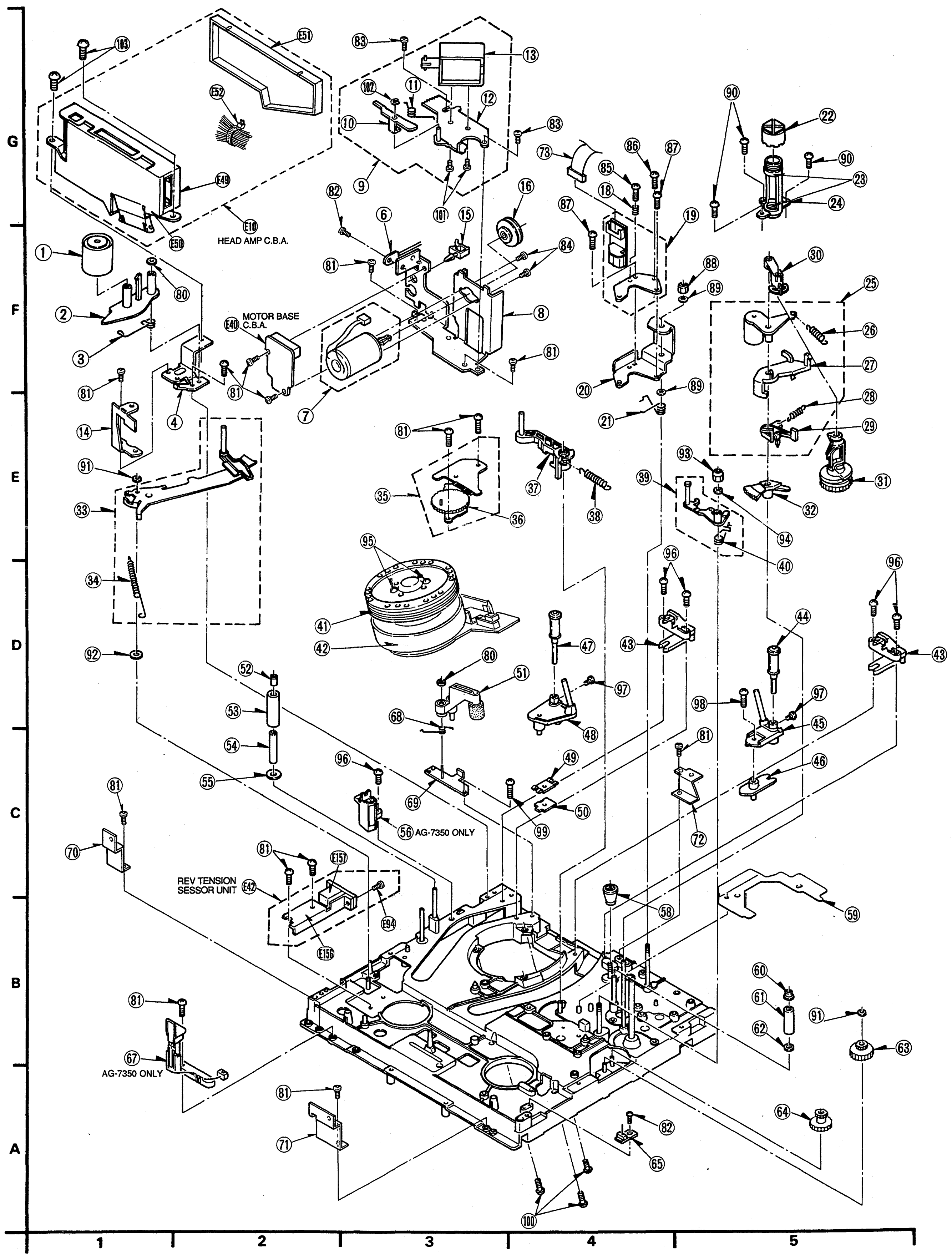
8
9


MOTHER C.B.A. (VEP00S01B:AG-7350.VEP00S01C:AG-7150)
AUDIO (1) C.B.A. (VEP04326C:AG-7350 VEP04326D:AG-7150)
AUDIO (2) C.B.A. (VEP04327C:AG-7350 VEP04327D:AG-7150)
VIDEO (1) C.B.A. (VEP03877A:AG-7350 VEP03877B:AG-7150)
VIDEO (2) C.B.A. (VEP03878A:AG-7350 VEP03878B:AG-7150)
VIDEO (3) C.B.A. (VEP03879A:AG-7350 VEP03879B:AG-7150)
REAR JACK C.B.A. (VEP04344A:AG-7350 VEP04344B:AG-7150)
CCD PACK (1) C.B.A. (VEP00R78A) (AG-7350 ONLY)
CCD PACK (2) C.B.A. (VEP00R78B) (AG-7350 ONLY)
CCD UNIT C.B.A. (VEP03880A)
MIC C.B.A. (VEP04343A) (AG-7350 ONLY)
FRONT JACK C.B.A. (VEP04342A)
FRONT C.B.A. (VEP06749C:AG-7350 VEP06749D:AG-7150)
SEARCH DIAL UNIT (VEK5556)
CH1
CH2
10
11
12
13
14
15
16
17
18
19

EXPLODED VIEWS

❶ *Chassis Parts Section*



MECHANICAL REPLACEMENT PARTS LIST

1. Chassis Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
1-1		VXP1075	IMPEDANCE ROLLER UNIT	1	
1-2		VML2293	IMPEDANCE ROLLER ARM	1	
1-3		VMB1976	IMPEDANCE SPRING	1	
1-4		VMA7982	HEAD AMP ANGLE (L)	1	
1-6		VEK3185	HUMIDITY RESISTOR UNIT	1	<R>
1-7		VEM0360	LOADING MOTOR UNIT	1	<M><R>
1-8		VMA8290	MOTOR BASE	1	
1-9		VXA3657	SOLENOID BASE UNIT	1	<R>
1-10		VML2299	CAM LEVER	1	
1-11		VMB1979	CAM LEVER SPRING	1	
1-12		VXA3658	SOLENOID BASE (1) UNIT	1	
1-13		VSJ0092	PINCTH SOLENOID	1	
1-14		VMA8095	IMPEDANS ROLLER SUPPORT ANGLE	1	
1-15		VJF0013	MINI CLAMPER	1	
1-16		VDP1319	MOTOR PULLEY	1	
1-18		VMB1251	ADJUST SPRING	1	
1-19		VED0107	A/C HEAD (1) UNIT	1	FOR AG-7350-E/B <M><R>
1-19		VED0116	A/C HEAD (1) UNIT	1	FOR AG-7150-E/B <M><R>
1-20		VXA3649	A/C HEAD BASE UNIT	1	
1-21		VMB1567	A/C HEIGHT SPRING	1	
1-22		VXQ0006	THRUST SCREW UNIT	1	
1-23		VMX1033	OIL SEAL	2	
1-24		VXD0133	HOUSING UNIT	1	
1-25		VXL1892	PRESSURE ROLLER UNIT	1	<M><R>
1-26		VMB1977	PINCH PRESSURE SPRING	1	
1-27		VXL1893	PINCH PRESSURE ARM	1	
1-28		VMB1569	PINCH ARM SPRING	1	
1-29		VML1874	PINCH LIFT ARM	1	
1-30		VMX1353	PINCH CAM ARM	1	
1-31		VDG0577	PINCH CAM	1	
1-32		VDG0651	PULL OUT SECTOR GEAR	1	
1-33		VXL2089	TENSION ARM UNIT	1	
1-34		VMB1975	TENSION SPRING	1	
1-35		VEK4171	MECHANISM CONNECTION UNIT	1	
1-36		VSS0257	MODE SWITCH	1	<M><R>
1-37		VXL1857	SUB LOADING ARM (1) UNIT	1	
1-38		VMB1566	SUB POST SPRING	1	
1-39		VXL2074	P5 UNIT	1	
1-40		VMB1554	P5 SPRING	1	
1-41		VEH0437	UPPER CYLINDER UNIT	1	FOR AG-7350-E/B <M><R>
1-41		VEH0452	UPPER CYLINDER UNIT	1	FOR AG-7150-E/B <M><R>
1-42		VEG0909	LOWER CYLINDER UNIT	1	FOR AG-7350-E/B <M><R>
1-42		VEG0911	LOWER CYLINDER UNIT	1	FOR AG-7150-E/B <M><R>
1-43		VMD0910	POST STOPPER	2	
1-44		VXP1094	ROLLER POST (T) UNIT	1	
1-45		VXA3213	INCLINED BASE (T) (1) UNIT	1	
1-46		VXA2687	INCLINED ADJUSTMENT PLATE U	1	
1-47		VXP1093	ROLLER POST (S) UNIT	1	
1-48		VXA3249	INCLINED BASE (S) (2) UNIT	1	
1-49		VMA7029	HOLDER PLATE (S)	1	
1-50		VMA7660	PLATE	1	
1-51		VXL1979	HEAD CLEANING UNIT	1	<M><R>
1-52		VMX1088	UPPER LIMITER	1	
1-53		VDP1276	SUPPLY ROLLER	1	
1-54		VMX1581	P1 COLIAR	1	
1-55		VMX1533	LOWER LIMITER	1	
1-56		VBS0038	FE HEAD	1	AG-7350-E/B ONLY <M><R>
1-58		VHN0110	ADJUST NUT	1	
1-59		VXA3871	SHIELD PLATE UNIT	1	
1-60		VMX1544	P4 UPPER LIMITER	1	
1-61		VMX1568	P4 SLEEVE	1	
1-62		VMX1534	P4 LOWER LIMITER	1	
1-63		VDG0664	CONNECTION GEAR	1	
1-64		VDG0483	PINCH SPEED DOWN GEAR	1	
1-65		VES0503	S-VHS CASSETTE DETECT SW	1	<R>
1-67		VES0639	SAFETY SWITCH	1	AG-7350-E/B ONLY
1-68		VMB1996	CLEANING SPRING	1	
1-69		VXA3980	HEAD CLEANING PLATE UNIT	1	
1-70		VMA6895	MOUNT PLATE (L)	1	
1-71		VMA6896	MOUNT PLATE (R)	1	
1-72		VMA8593	HEAD AMP ANGLE (R)	1	
1-73		VEE7395	FLEXIBLE CABLE	1	AG-7350-E/B ONLY
1-73		VEE7422	FLEXIBLE CABLE	1	AG-7150-E/B ONLY
1-80		VMX1079	CUT WASHER	2	
1-81		XTV26+6F	SCREW	12	
1-82		XTV2+4F	SCREW	2	
1-83		XYN26+F5FZ	SCREW	2	
1-84		XSN3+3.5	SCREW	2	
1-85		VHD0322	SCREW	1	
1-86		VHD0089B	SCREW	1	
1-87		XSN3D6FZ	SCREW	2	
1-88		VHN0063	M4 NYLON NUT	1	
1-89		XWE4	M4 NYLON WASHER	2	
1-90		VHD0374	SCREW	3	
1-91		VMX0653	CUT WASHER	3	
1-92		XWGV3D6G	POLLY SLIDER WASHER	1	
1-93		VHN0023	M3 NYLON NUT	1	
1-94		XWE3VW	M3 WASHER	1	
1-95		VHD0425	SCREW	2	
1-96		XTV26+10F	SCREW	5	
1-97		VHD0133	SCREW	2	
1-98		XYN26+F6FZ	SCREW	1	
1-99		XTN3+6FFZ	SCREW	1	
1-100		VHD0342	SCREW	3	
1-101		XYN26+C4	SCREW	2	
1-102		XUC25FP	E RING	1	
1-103		XTW3+8LR	SCREW	2	

Section 8

EXPLODED VIEWS
AND
REPLACEMENT PARTS LISTS

CONTENTS

SERVICING FIXTURES & TOOLS LIST PARTS-2

EXPLODED VIEWS PARTS-3

1. Chassis Parts Section PARTS-3
2. Moving Parts Section PARTS-5
3. Cassette Compartment Section PARTS-7
4. Chassis & Frame Section PARTS-8
5. Casing Parts Section PARTS-10
6. Packing Parts Section PARTS-11

MECHANICAL REPLACEMENT PARTS LIST PARTS-4

1. Chassis Parts Section PARTS-4
2. Moving Parts Section PARTS-6
3. Cassette Compartment Section PARTS-6
4. Chassis & Frame Section PARTS-9
5. Casing Parts Section PARTS-9
6. Packing Parts Section PARTS-12

ELECTRICAL REPLACEMENT PARTS LIST PARTS-13

NOTE : Exploded Views are based on AG-7350

NOTES

1. ● Be sure to make your orders of replacement parts according to this list.
   ● "<R>" in Remark column indicates recommended parts.
   ● "<M>" in Remark column indicates needed in the periodical maintenance.
2. IMPORTANT SAFETY NOTICE
   Components identified by "<!>" have special characteristics important for safety.
   When replacing any of these components, use only the original ones.
   Meaning of symbol "<!>" on this parts list is exactly the same as symbol △on Schematic and Circuit Board Diagrams.
3. Unless otherwise specified ;
   All resistors are in (Ω), K=1,000Ω, M=1,000kΩ.
   All capacitors are in (F), U=10^{-6} F, P=10^{-12} F.
4. ITEM NUMBERS WITH CAPITAL LETER E
   Item numbers with capital leter E (Example:E1, E2,...) in Ref.No. column mean that the parts are listed with the E item numbers in the exploded views.
5. The main assembled parts are shown below C.B.A. marked with "■" .
6. When ordering parts, use parts No. only form Part No. column.
7. Printed circuit board assembly with mark (NLA) is no longer available after discontinuation of the product.
8. Abbreviations for parts ;

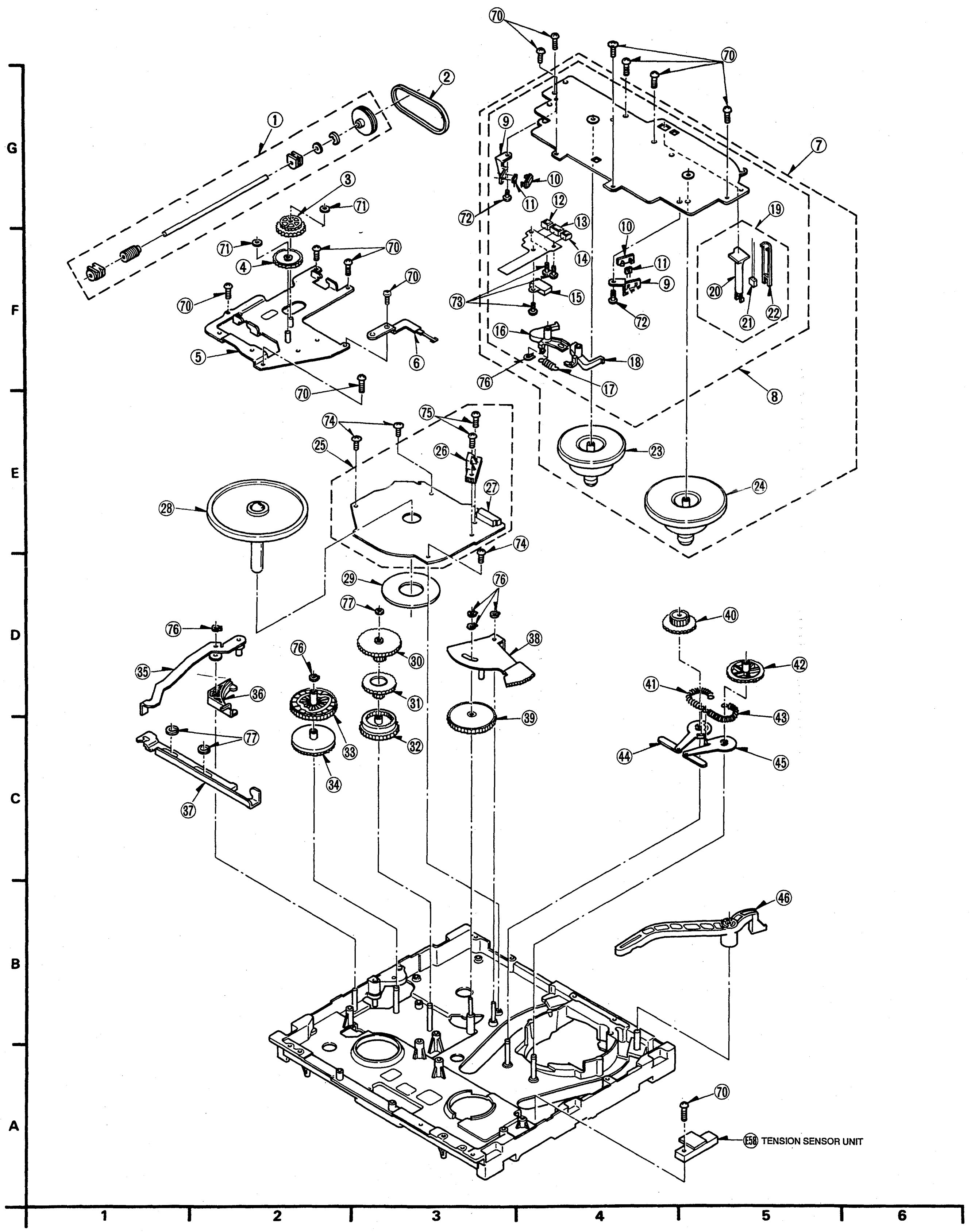
-- NAME --	-- DESCRIPTION --
C.CAPACITOR	CERAMIC CAPACITOR
C.CAPACITOR CH	CERAMIC CHIP CAPACITOR
E.CAPACITOR	ELECTROLYTIC CAPACITOR
G.CAPACITOR	GLASS CAPACITOR
M.CAPACITOR	MICA CAPACITOR
P.CAPACITOR	PLASTIC FILM CAPACITOR
S.CAPACITOR	SEMI-CONDUCTOR CAPACITOR
T.CAPACITOR	TANTALUM CAPACITOR
TRIMMER	TRIMMER
C.RESISTOR	CARBON RESISTOR
F.RESISTOR	FUSE RESISTOR
M.RESISTOR	METAL OXSIDE RESISTOR
M.RESISTOR CH	METAL OXSIDE CHIP RESISTOR
S.RESISTOR	SOLID RESISTOR
V.RESISTOR	VARIABLE RESISTOR
W.RESISTOR	WIRE WOUND RESISTOR
COMBI. TR-R	TRANSITOR-RESISTOR COMBINATION PARTS
COMBI. R-R	RESISTOR-RESISTOR COMBINATION PARTS
COMBI. C-R-L	CAPACITOR-COIL COMBINATION PARTS
C.B.A.	CIRCUIT BOARD ASSEMBLY

SERVICING FIXTURE & TOOLS LIST

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VFM8180HADH	PAL VHS ALIGNMENT TAPE	1	
		VFM8080HQFP	NTSC VHS ALIGNMENT TAPE	1	
		VFK0329	POST ADJ. SCREWDRIVER	1	
		VFK0132	BACK TENSION METER	1	(T2-H7-UM)
			(TENTELOMETER, MADE IN		
			U.S.A.)		
		VFK0191	POST ADJ. PLATE	1	
		VFK0133	DIAL TORQUE GAUGE	1	
		VFK0180	PLASTIC CLAMPER ONLY	1	
		VFK0134	ADAPTOR FOR VFK0133	1	
		VFK0190	REEL TABLE HEIGHT GAUGE	1	
		VFK0236	TENSION POST ADJ. FIXTURE	1	
		VFK0578	TENSION SENSOR ADJ. FIXTURE	1	
		VFK0328	H-POSITION ADJ. SCREWDRIVER	1	
		VFK0330	FINE ADJ. SCREWDRIVER	1	
			(3mm PHI)		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VFK0335	RETAINING RING REMOVER	1	
			(3mm/4mm)		
		VFK0326	HEX. WRENCH SET	1	
		VFK0343	CHECK LIGHT	1	
		MOR265	MOLYTONE GREASE (BLACK)	1	
		VFK0680	S.C.R. GREASE (WHITE)	1	
		VFK27	HEAD CLEANING STICK	1	
		VFK0344	POST HEIGHT ADJ. FIXTURE	1	
		VFK0269	L TYPE SCREWDRIVER	1	
		VFK66	FAN TYPE TENSION GAUGE	1	
		VFK0684	EXTENDER	1	FOR MOTHER BOARD
					CHECKING
		VFK0685	EXTENDER	1	FOR FRONT BOARD
					CHECKING

❷ *Moving Mechanism Section*



2. Moving Mechanism Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
2-1		VXP1082	WORM SHAFT UNIT	1	
2-2		VDV0228	LOADING BELT	1	<M><R>
2-3		VDG0581	WORM WHEEL	1	
2-4		VDG0582	INTERMEDIATE GEAR	1	
2-5		VXA3646	GEAR BASE (1) UNIT	1	
2-6		VXS0098	EARTH SPRING	1	
2-7		VEM0378	REEL MOTOR UNIT	1	<M><R>
2-8		VXA4109	STATOR BASE UNIT	1	
2-9		VMD0611	FG SUPPORT (1)	2	
2-10		VMD0621	FG SUPPORT (2)	2	
2-11		HW-300B	HOLE IC	2	<R>
2-12		VJP1229R	CONNECTOR (2P)	1	
2-13		VJP1235T	CONNECTOR (8P)	1	
2-14		VJP1229T	CONNECTOR (2P)	1	
2-15		VSJ0066	SOLENOID	1	
2-16		VXZ0270	MAIN BRAKE (S) UNIT	1	<M><R>
2-17		VMB1978	BRAKE SPRING	1	
2-18		VXZ0271	MAIN BLAKE (T) UNIT	1	<M><R>
2-19		VEK4164	LED UNIT	1	
2-20		VMX1565	LED HOLDER (A)	1	
2-21		GL450	LED	1	<R>
2-22		VMX0683	LED HOLDER (L)	1	
2-23		VXR0187	TAKEUP REEL TABLE UNIT	1	<R>
2-24		VXR0186	SUPPLY REEL TABLE UNIT	1	<R>
2-25		VEK4105	STATOR UNIT	1	
2-26		VBK0048	MR HEAD	1	<R>
2-27		VJP1902	CONNECTOR	1	
2-28		VXP1328	ROTOR UNIT	1	
2-29		VMA6847	SUB PLATE	1	
2-30		VDG0580	CENTER GEAR	1	
2-31		VXP0878	RETANER GEAR UNIT	1	
2-32		VDG0342	RING GEAR	1	
2-33		VDG0578	MAIN CAM GEAR	1	
2-34		VDG0343	SUB CAM GEAR	1	
2-35		VXL1895	CAM FOLLOWER ARM UNIT	1	
2-36		VML1861	DETENT ARM	1	
2-37		VMM0218	MAIN ROD	1	
2-38		VXA3144	SECTOR GEAR UNIT	1	
2-39		VDG0579	LOADING CAM GEAR	1	
2-40		VDG0420	LOADING GEAR (T)	1	
2-41		VMB1555	LOADING SPRING (T)	1	
2-42		VDG0593	LOADING GEAR (S)	1	
2-43		VMB1746	LOADING SPRING (S)	1	
2-44		VXL1489	LOADING ARM (T) (1) UNIT	1	
2-45		VXL1487	LOADING ARM (S) (1) UNIT	1	
2-46		VML2304	CLEANING ROD	1	
2-70		XTV26+6F	SCREW	12	
2-71		VMX0653	CUT WASHER	2	
2-72		XYN2+F5	SCREW	2	
2-73		XSN26+4	SCREW	3	
2-74		XYEV0004	SCREW	3	
2-75		XYNV0015	SCREW	2	
2-76		XUEV3VW	WASHER	6	
2-77		VMX1079	CUT WASHER	3	

3. Cassette Compartment Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
3-1		VXA4504	CASSETTE COMPERTMENT UNIT	1	<R>
3-2		VMA8166	TOP PLATE	1	
3-3		VMD1384	CASSETTE HOLDER CAP	1	
3-4		VMA7992	CASSETTE HOLDER ANGLE	1	
3-5		VXA3690	CASSETTE HOLDER UNIT	1	
3-6		VMD1387	HOLDER GUIDE	1	
3-7		VXA3691	HOLDER ANGLE UNIT	1	
3-8		VMA7989	CASSETTE HOLDER	1	
3-9		VMA3692	HOLDER GUIDE (R) UNIT	1	
3-10		VML1882	DOOR OPEN LEVER	1	
3-11		VMB1584	DOOR OPEN LEVER SPRING	1	
3-12		VMD1386	HOLDER GUIDE (R)	1	
3-13		VMB2063	RELEASE SPRING	1	
3-14		VML2306	RELEASE LEVER	1	
3-15		VXA3694	SIDE PLATE (L) UNIT	1	
3-16		VML2305	OPENER LEVER	1	
3-17		VXA3693	SIDE PLATE (R) UNIT	1	
3-18		VSS0258	SLIDE SWITCH	1	<R>
3-19		VML2288	DOWN SUPPORT LEVER	1	
3-20		VMB1961	DOWN SUPPORT SPRING	1	
3-21		VXA3498	SLIDE SWITCH UNIT	1	
3-22		VXA3696	MAIN RACK UNIT	1	
3-23		VDG0737	DAMPER	1	
3-24		VXA3697	SUB RACK UNIT	1	
3-25		VMB1780	RACK C SPRING	1	
3-26		VMB1997	CLUTCH SPRING	1	
3-27		VXP1089	MAIN SHAFT UNIT	1	
3-28		VMB1999	SUB WIPER SPRING (L)	1	
3-29		VML1878	SUB WIPER ARM (L)	1	
3-30		VML1879	SUB WIPER ARM (R)	1	
3-31		VMB1998	SUB WIPER SPRING (R)	1	
3-32		VXA4500	CASSETTE GUIDE UNIT	1	
3-33		VKF1243	BLINDER PANEL	1	<R>
3-34		VMB1258	BLINDER SPRING	1	
3-35		VDP1398	CASSETTE ROLLER	1	
3-36		VMS3061	ROLLER SHAFT	1	
3-37		VMA8460	CASSETTE GUIDE	1	
3-38		VMS4644	SHAFT	1	
3-39		VMD1773	CASSETTE SUPPORT	1	
3-40		VMB2329	SUPPORT SPRING	1	
3-50		XTV26+8G	SCREW	2	
3-51		XTV26+6F	SCREW	1	
3-52		XTV3+8G	SCREW	1	
3-53		XUC2.5FP	E RING	1	

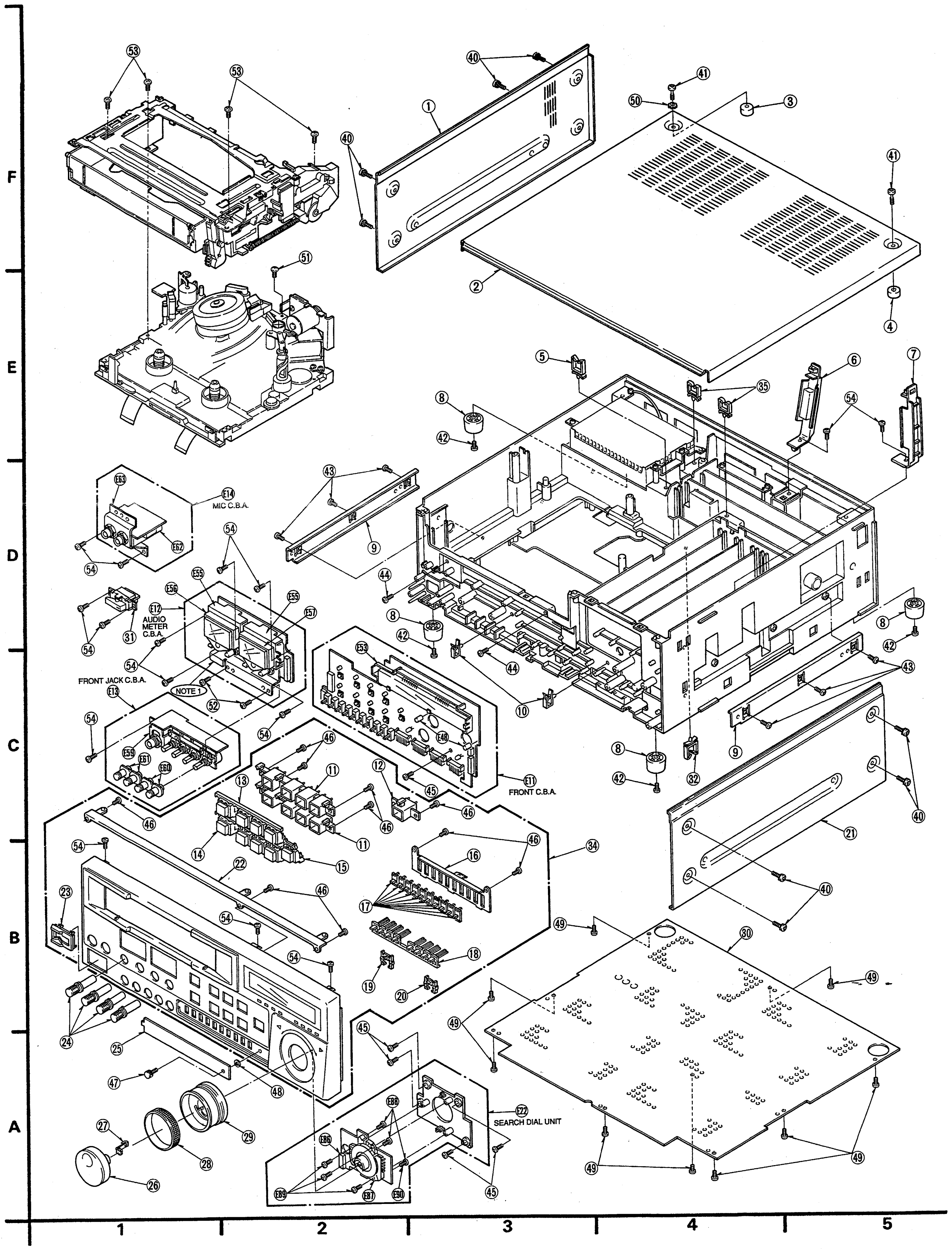
4. Chassis & Frame Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
4-1		VSC2754	POWER UNIT SHIELD CASE (UPPER)	1	
4-2		VSC2756	POWER SHIELD CASE (REAR)	1	
4-4		VMZ1358	INSULATION SHEET	1	
4-5		VMZ1394	INSULATION SHEET	1	
4-6		VMC0357	TR SPRING	2	
4-7		VSC2757	POWER SHIELD CASE (FRONT)	1	
4-8		VMZ1393	INSULATION SHEET	1	
4-9		VSC2827	POWER SHIELD PLATE	1	
4-10		VSC2778	HEAT SINK	1	
4-11		VMP2669	EARTH ANGLE	1	
4-12		VSC2755	POWER SHIELD CASE (LOWER)	1	
4-13		VMZ1357	INSULATION SHEET	1	
4-14		VGQ1615	TR HOLDER	1	
4-15		VWZ0074	IC COVER	1	
4-16		VJH0632	REAR JACK ANGLE	1	
4-17		VJH0082	GND TERMINAL	1	
4-18		VGH2859	REAR JACK PLATE	1	FOR AG-7350-E/B
4-18		VGH2860	REAR JACK PLATE	1	FOR AG-7150-E/B
4-19		VMP3221	TOP ANGLE (LEFT)	1	
4-20		VXA4649	SIDE ANGLE UNIT	2	
4-21		VMP3222	TOP ANGLE (RIGHT)	1	
4-22		VMP3216	MECHNISM SHIELD PLATE	1	
4-23		VMP3232	POWER CORD SHIELD ANGLE	1	
4-24		VMP3648	EARTH ANGLE (L)	1	
4-25		VMP3649	EARTH ANGLE (R)	1	
4-26		VMP3650	EARTH ANGLE (MIC)	1	
4-30		XTB3+10FZ	SCREW	2	
4-31		XTS3+8J	SCREW	1	
4-32		XTV3+8FFZ	SCREW	18	
4-33		XTS3+16F	SCREW	3	
4-34		XTV3+12F	SCREW	2	
4-35		XTV3+12J	SCREW	1	
4-36		XYE3+EF8FR	SCREW	5	
4-37		XTW3+10JFR	SCREW	4	
4-38		XTV3+10JFZ	SCREW	8	FOR AG-7350-E/B
4-38		XTV3+10JFZ	SCREW	5	FOR AG-7150-E/B
4-39		XTV3+10J	SCREW	2	
4-40		XTV3+10JFR	SCREW	30	

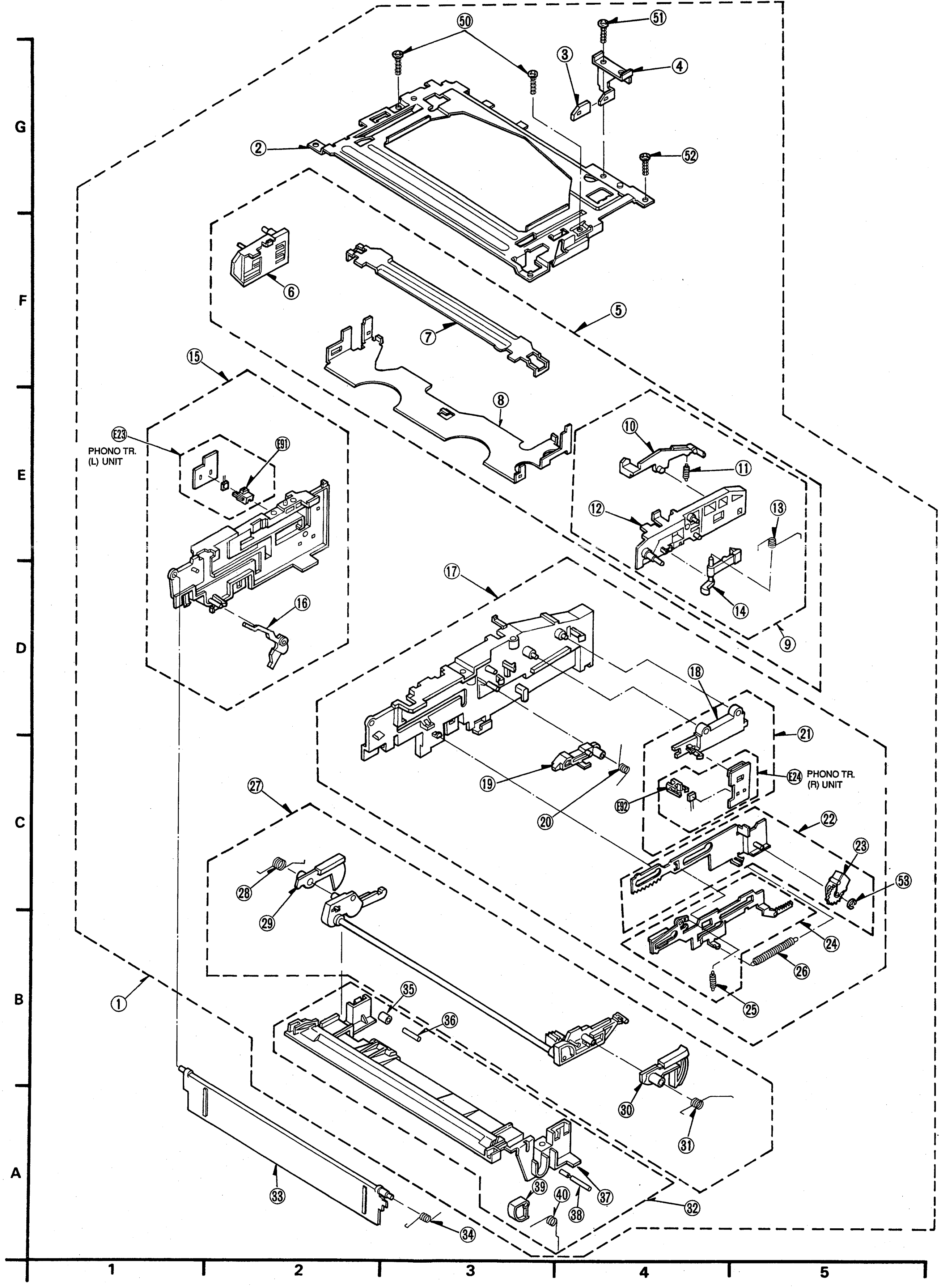
5. Casing Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
5-1		VGM0799	SIDE PANEL (LEFT)	1	
5-2		VGM0798	TOP PANEL	1	
5-3		VMX1789	TOP PANEL SPACER	1	
5-4		VMX0871	TOP PANEL SPACER	1	
5-5		VJF0004	MINI CLAMPER	1	
5-6		VKC0393	C.B. HOLD PIECE (A)	1	
5-7		VKC0394	C.B. HOLD PIECE (B)	1	
5-8		VKA0117	RUBBER FOOT	4	
5-9		VXA4551	SUPPORT ANGLE UNIT	2	
5-10		VJF0013	MINI CLAMPER	2	
5-11		VGF0418	LED HOLDER (A)	2	
5-12		VGF0419	LED HOLDER (B)	1	
5-13		VGU5600	OPERATION BUTTON (A)	1	FOR AG-7350-E/B
5-13		VGU5634	OPERATION BUTTON (A)	1	FOR AG-7150-E/B
5-14		VGU5633	OPERATION BUTTON (A)	1	
5-15		VGU5601	OPERATION BUTTON (B)	1	
5-16		VMP3226	KNOB HOLD ANGLE	1	
5-17		VGU5603	SLIDE KNOB	10	FOR AG-7350-E/B
5-17		VGU5603	SLIDE KNOB	7	FOR AG-7150-E/B
5-18		VGU5602	COUNTER BUTTON	1	
5-19		VGL0508	REV. PANELIGHT	1	
5-20		VGL0506	FWD PANELIGHT	1	
5-21		VGM0800	SIDE PANEL (RIGHT)	1	
5-22		VMP3225	FRONT SUPPORT ANGLE	1	
5-23		VKW1501	POWER SWITCH COVER	1	
5-24		VGU5604	VR KNOB	4	
5-25		VKW1499	OPERATION AREA COVER	1	
5-26		VGU4604	JOG DIAL KNOB	1	
5-27		VMC0444	KNOB SPRING	1	
5-28		VMG0476	SEARCH DIAL RUBBER	1	
5-29		VGU4605	SEARCH DIAL KNOB	1	
5-30		VKM2737	BOTTOM PLATE	1	
5-31		VES0654	POWER SWITCH UNIT	1	
5-32		VJF0022	CLAMPER	1	
5-33		VMP3282	METER ANGLE	1	FOR AG-7150-E/B
5-34		VYP3837	FRONT PANEL UNIT	1	FOR AG-7350-E/B
5-34		VYP3838	FRONT PANEL UNIT	1	FOR AG-7150-E/B
5-35		VJF0004	MINI CLAMPER	2	
5-40		VHD0426	SCREW	8	
5-41		VHD0222	SCREW	2	
5-42		XTV3+16G	SCREW	4	
5-43		XTV3+10J	SCREW	6	
5-44		XTV4+8F	SCREW	2	
5-45		XTV4+10JFR	SCREW	5	
5-46		XTV3+8J	SCREW	10	
5-47		VHD0679	SCREW	1	
5-48		VMX1558	NYLON WASHER	1	
5-49		VHD0059	SCREW	9	
5-50		XWC4BFY	WASHER (M4)	1	
5-51		XTV4+12J	SCREW	1	
5-52		XTV3+8F	SCREW	2	
5-53		XTV26+8FR	SCREW	4	
5-54		XTV3+10JFR	SCREW	15	

❺ Casing Parts Section



❸ Cassette Compartment Section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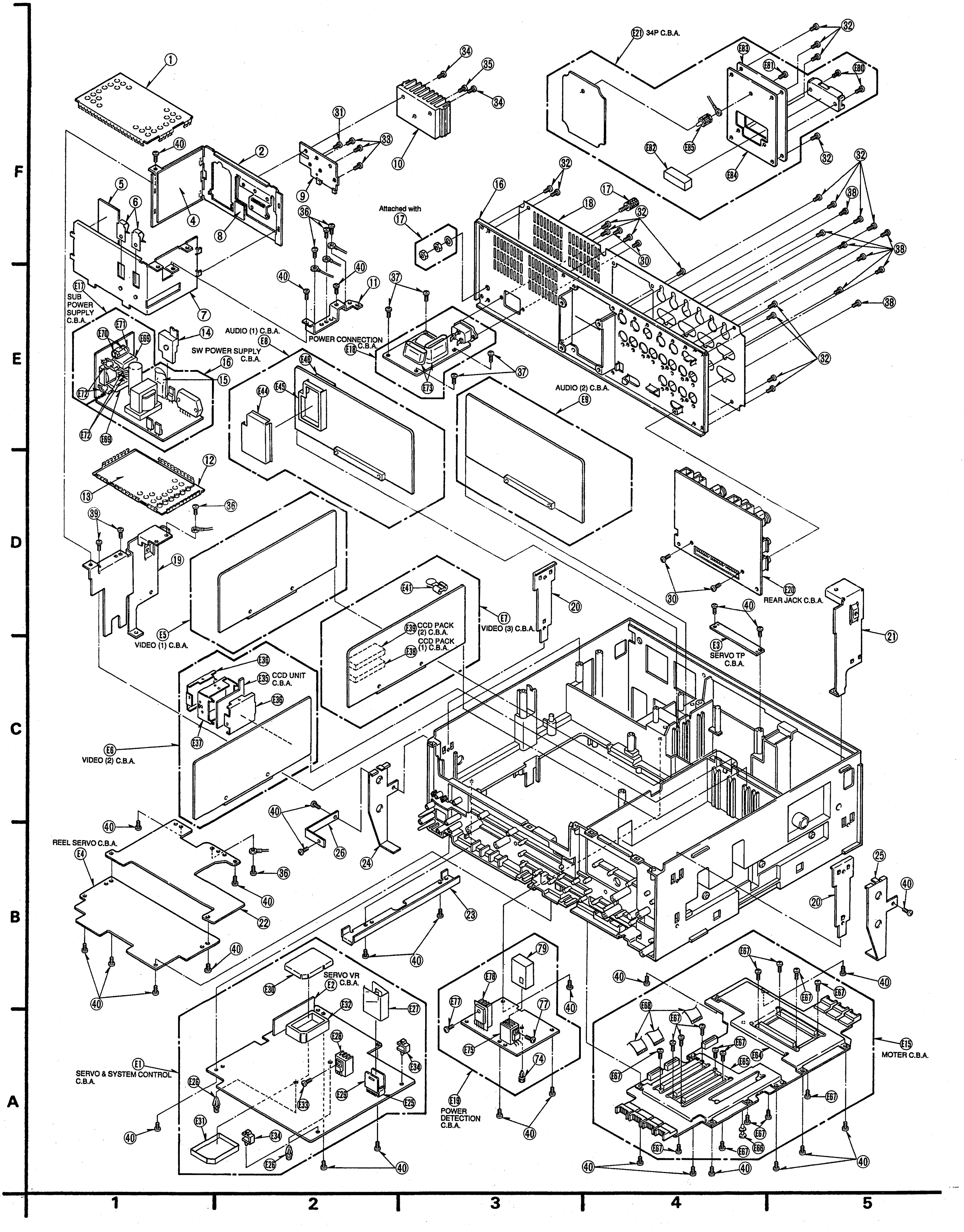
❹ *Chassis & Frame Section*



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Attached with ⑰
E17 SUB POWER SUPPLY C.B.A.
E71
E70
E69
E72
SW POWER SUPPLY ⑯ C.B.A.
AUDIO (1) C.B.A. E8
E46
E44
E45
POWER CONNECTION E18 C.B.A.
E73
AUDIO (2) C.B.A. E9
E20 REAR JACK C.B.A.
E5 VIDEO (1) C.B.A.
E41
E7 VIDEO (3) C.B.A.
E39 CCD PACK (2) C.B.A.
E38 CCD PACK (1) C.B.A.
E3 SERVO TP C.B.A.
E36
E35 CCD UNIT C.B.A.
E37
E6 VIDEO (2) C.B.A.
REEL SERVO C.B.A. E4
E30
SERVO VR E2 C.B.A.
E32
E27
E28
E34
E1 SERVO & SYSTEM CONTROL C.B.A.
E26
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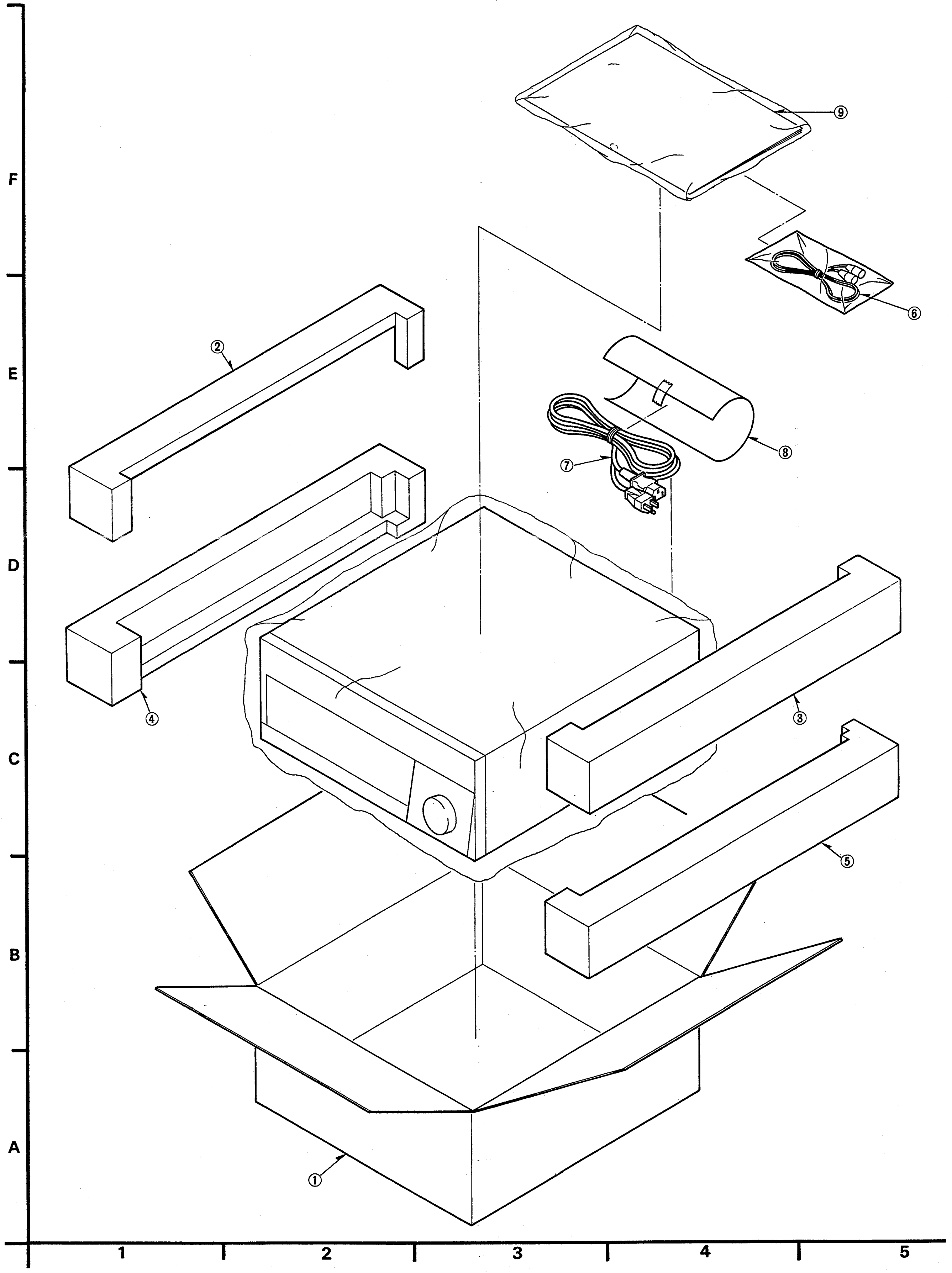
E77
E75
㉗
E74
E19 POWER DETECTION C.B.A.
E67
E68
E64
E65
E66
E15 MOTER C.B.A.
F
E
D
C
B
A
1
2
3
4
5

❻ Packing Parts Section



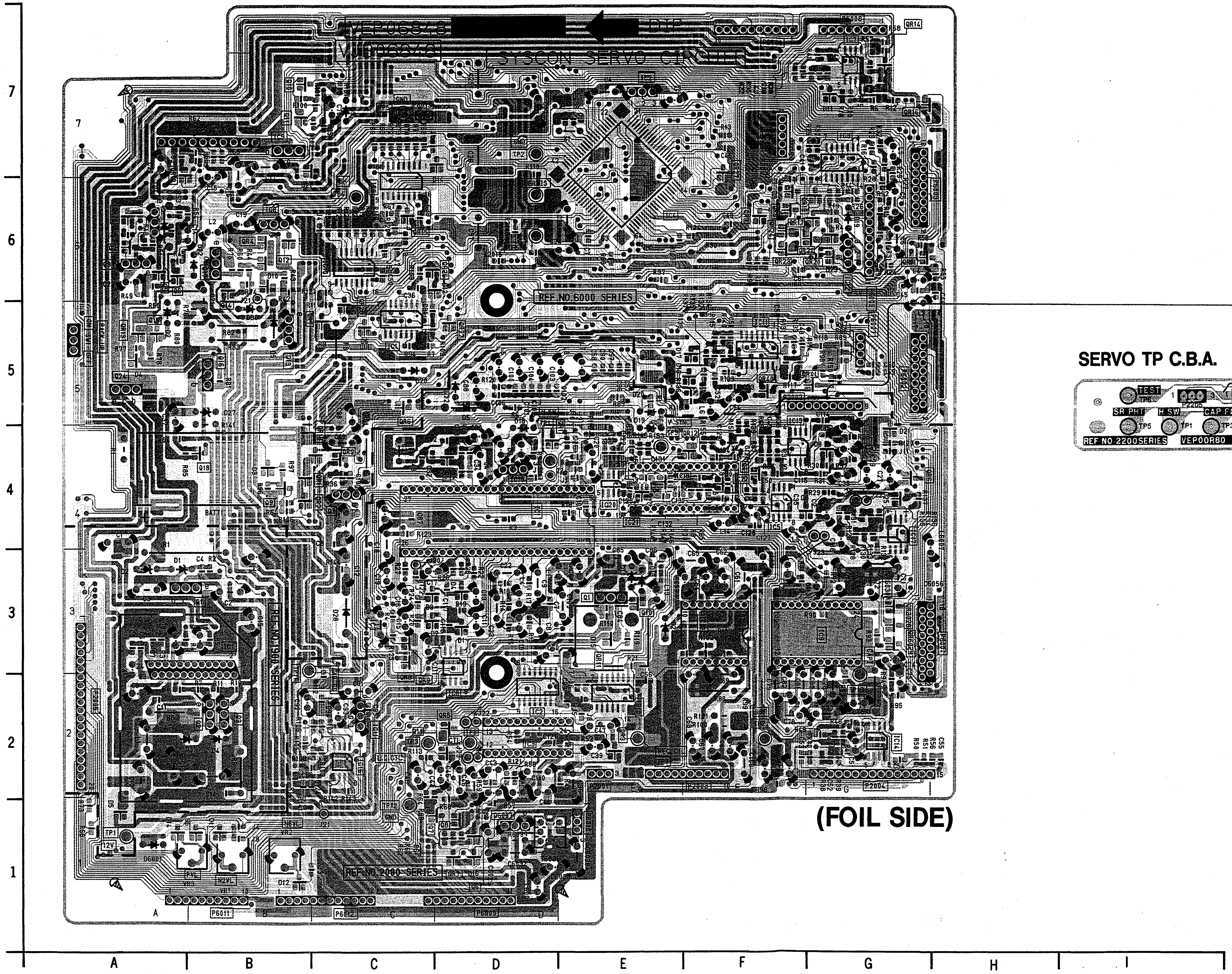
6. Packing Parts Section

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
6-1		VPG6203	PACKING CASE	1	FOR AG-7350-E
6-1		VPG6204	PACKING CASE	1	FOR AG-7350-B
6-1		VPG6205	PACKING CASE	1	FOR AG-7150-B
6-1		VPG6206	PACKING CASE	1	FOR AG-7150-B
6-2		VPN3177	CUSHION (LEFT TOP)	1	
6-3		VPN3178	CUSHION (RIGHT TOP)	1	
6-4		VPN3179	CUSHION (LEFT BOTTOM)	1	
6-5		VPN3180	CUSHION (RIGHT BOTTOM)	1	
6-6		VJA0579	4P CABLE	1	
6-7		VJA0701	POWER CORD	1	FOR AG-7350-E
					FOR AG-7150-E
6-7		VJA0702	POWER CORD	1	FOR AG-7350-B
					FOR AG-7150-B
6-8		VPF0136	POWER CORD SHEET	1	
6-9		VQT4386	OPERATING INSTRUCTIONS	1	FOR AG-7350-E/B
			(ENGLISH)		FOR AG-7150-E/B
6-9		VQT4387	OPERATING INSTRUCTIONS	1	FOR AG-7350-E
			(FRENCH/GERMAN)		FOR AG-7150-E

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks

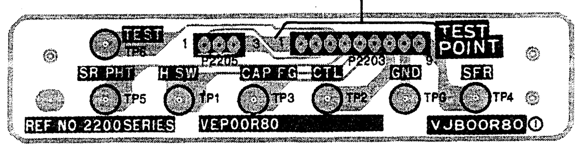
SYSTEM CONTROL & SERVO C.B.A. SERVO TP C.B.A. AG-7355/7350/7150

(Page SCM-4)


SYSCON SERVO CIRCUIT
REF NO 6000 SERIES
REF NO 2000 SERIES
REF NO 1000 SERIES
P6011
P6012
P6009
P2004
12V
TP1
BATT
7
6
5
4
3
2
1
A
B
C
D
E
F
G
H
I

(FOIL SIDE)

SERVO TP C.B.A.


TEST TP6
P2205
P2203
TEST POINT
SR PHT
H SW
CAP FG
CTL
GND
SFR
TP5
TP1
TP3
TP2
TP0
TP4
REF NO 2200SERIES
VEP00R80
VJB00R80

(FOIL SIDE)

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E1		VEP06729D	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			SERVO / SYSTEM CONTROL		INCLUDING THE
					SERVO VR (VEP00R51B)
E2		VEP00R51B	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			SERVO VR		PARTS LIST IS
					INCLUDED IN SERVO /
					SYSTEM CONTROL
					(VEP06729D)
E3		VEP00R80A	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			SERVO TEST POINT		
E4		VEP02377A	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			REEL SERVO		
E5		VEP03877A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			VIDEO (1)		
E5		VEP03877B	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7150-E/B
			VIDEO (1)		
E6		VEP03878A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			VIDEO (2)		INCLUDING THE
					CCD UNIT (VEP03880A)
E35		VEP03880A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			CCD UNIT		PARTS LIST IS
					INCLUDED IN
					VIDEO (2) (VEP03878A)
E6		VEP03878B	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7150-E/B
			VIDEO (2)		INCLUDING THE
					CCD UNIT (VEP03880A)
E35		VEP03880A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7150-E/B
			CCD UNIT		PARTS LIST IS
					INCLUDED IN
					VIDEO (2) (VEP03878A)
E7		VEP03879A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			VIDEO (3)		INCLUDING THE
					CCD PACK (1)
					(VEP00R78A)
					CCD PACK (2)
					(VEP00R78B)
E38		VEP00R78A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			CCD PACK (1)		PARTS LIST IS
E16		VEP01502A	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			SWITCHING POWER SUPPLY		
E17		VEP01503A	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			POWER SUPPLY SUB		
E18		VEP01478B	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			AC PLUG		
E19		VEP01471A	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			POWER DETECT		
E20		VEP04344A	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7350-E/B
			REAR JACK		
E20		VEP04344B	P.C.BOARD W/COMPONENT	1	(NLA)<R> AG-7150-E/B
			REAR JACK		
E21		VEP06538C	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			34PIN		
E22		VEK5556	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			SEARCH DIAL UNIT		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E23		VEK3578	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			PHOTO TR (L) UNIT		
E24		VEK4058	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			PHOTO TR (R) UNIT		
E58		VEK2657	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			TENSION SENSOR UNIT		
E76		VEK4265	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			REV. TENSION SENSOR UNIT		
E93		VEK4163	P.C.BOARD W/COMPONENT	1	(NLA)<R>
			MOTOR BASE		
	■	VEP06729D	P.C.BOARD W/COMPONENT		INCLUDING THE
			SERVO / SYSTEM CONTROL		SERVO VR (VEP00R51B)
BAT6001		VSB0004	BATTERY	1	
C1901,02		ECEA1EU331	E.CAPACITOR 25V 330U	2	
C1903		ECEA1VKA470	E.CAPACITOR 35V 47U	1	
C1904		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1905		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C1906		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C1907		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	1	
C1908-10		ECEA1HKA010	E.CAPACITOR 50V 1U	3	
C1911		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1912,13		ECEA1EU221	E.CAPACITOR 25V 220U	2	
C1914		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1915		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2001		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2002		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2003		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2004		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2005,06		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C2007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2008		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C2009		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C2010		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2011		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2015,16		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2017		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2018		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2019		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2020		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2022,23		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	2	
C2027		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2030		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2031		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2032		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2033		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2034		ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C2035		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2036		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2037,38		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2039		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2040,41		ECEA1CKA330	E.CAPACITOR 16V 33U	2	
C2042		ECEA10Z247	E.CAPACITOR 10V 47U	1	
C2043,44		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	2	
C2045,46		ECQB1H472JF	P.CAPACITOR 50V 4700P	2	
C2047		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C2048		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C2049		ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2050		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2051		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2052		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2053		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2054		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2055		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2057,58		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2059		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2060		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2061		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2062-64		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	3	
C2065		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2066-68		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	3	
C2069		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2070		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2071		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2072		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2073		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2074-76		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2077-79		ECQB1H332JF	P.CAPACITOR 50V 3300P	3	
C2080-82		ECQB1H333JF	P.CAPACITOR 50V 0.033U	3	
C2083		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2084		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2085,86		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2087		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2088		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2089		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2090		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2091		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2092		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2093		ECEA1CKA330	E.CAPACITOR 16V 33U	1	
C2094,95		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2096,97		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2098,99		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2100-06		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	7	
C2107		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2108,09		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C2110		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2111		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2113		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2114		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2115		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2116,17		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C6001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6002		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C6003		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6004-06		ECQB1H104JF	P.CAPACITOR 50V 0.1U	3	
C6007		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6009		ECEA1CU102	E.CAPACITOR 16V 1000U	1	
C6010		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6011		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6012		ECEA1CU102	E.CAPACITOR 16V 1000U	1	
C6014		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6015		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C6016,17		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C6018		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6019		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C6020		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C6021		ECEA1CN101S	E.CAPACITOR 16V 100U	1	
C6022		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6023		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6024		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6025,26		ECEA1ASS332Z	E.CAPACITOR 10V 3300U	2	
C6027		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C6029		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C6030		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6032		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6033,34		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6035,36		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6037,38		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C6039		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6040		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6041		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6043		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6044-46		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	3	
C6048		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6049,50		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6051		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6052		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C6053		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6054		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6057		ECEA1ASS332Z	E.CAPACITOR 10V 3300U	1	
C6059,60		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
D1901		MA4100M	DIODE	1	<R>
D1902		MA4110M	DIODE	1	<R>
D1903,04		11EQS04	DIODE	2	<R>
D1905		MA151K	DIODE	1	<R>
D2001-04		MA151K	DIODE	4	<R>
D2005		MA178	DIODE	1	<R>
D2006		MA151K	DIODE	1	<R>
D2008		MA151K	DIODE	1	<R>
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D2010		MA4180M	DIODE	1	<R>
D2011,12		MA151K	DIODE	2	<R>
D2013		MA4130L	DIODE	1	<R>
D2014		MA151WA	DIODE	1	<R>
D2015,16		MA151K	DIODE	2	<R>
D2018-20		11EQS04	DIODE	3	<R>
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D6003,04		MA151K	DIODE	2	<R>
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D6010-12		MA151K	DIODE	3	<R>
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D6014		MA151K	DIODE	1	<R>
D6017,18		MA151K	DIODE	2	<R>
D6019,20		11EQS04	DIODE	2	<R>
D6021		MA151K	DIODE	1	<R>
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IC2001		MN6742VCRQ	IC	1	<R>
IC2002		MC14053BF	IC	1	<R>
IC2003		AN3726K	IC	1	<R>
IC2005		NJM2233BMA	IC	1	<R>
IC2006		LM393PS	IC	1	<R>
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IC6005		M54649L	IC	1	<R>
IC6006		MN4019BS	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC6007		LM393PS	IC	1	<R>
IC6008		MN1280R	IC	1	<R>
IC6009		AN78M12	IC	1	<R>
IC6010		MN4019BS	IC	1	<R>
IC6011		LM339NS	IC	1	<R>
IC6012		MN1280R	IC	1	<R>
J2001,02		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J2004-08		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	5	
J2010		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2012		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J6003		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J6007		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L1901,02		ELC10E014	COIL	2	
L1903		VLQ0460	COIL	1	
L2001		VLQ0460	COIL	1	
L2002		VLQEL05K102J	COIL 1UH	1	
L2003-05		VLQ0460	COIL	3	
L2006-10		VLQEL05K221J	COIL 220UH	5	
L2011-13		VLQ0460	COIL	3	
L6001		VLQEL05K471J	COIL 470UH	1	
L6002		VLQEL05K150J	COIL 15UH	1	
L6003-06		VLQEL05K221J	COIL 220UH	4	
L6007		VLQ0460	COIL	1	
P2001		VJP1230T	CONNECTOR(MALE) 3P	1	
P2002		VJP1233T	CONNECTOR(MALE) 6P	1	
P2003		VJP1237T	CONNECTOR(MALE) 10P	1	
P2004		VJP1932T	CONNECTOR(MALE) 15P	1	
P2201,02		VJR0477	PACK PIN	2	
P6001-03		VJS2123	CONNECTOR(FEMALE) 18P	3	
P6004		VJP1237T	CONNECTOR(MALE) 10P	1	
P6005		VJP1511T	CONNECTOR(MALE) 11P	1	
P6006		VJP1232T	CONNECTOR(MALE) 5P	1	
P6007		VJS2650A004Z	CONNECTOR(FEMALE)	1	
P6008		VJP1235T	CONNECTOR(MALE) 8P	1	
P6009		VJP1511T	CONNECTOR(MALE) 11P	1	
P6010		VJP1230G	CONNECTOR(MALE) 3P	1	
P6011		VJP1237T	CONNECTOR(MALE) 10P	1	
P6012		VJP1239T	CONNECTOR(MALE) 12P	1	
Q1901		2SD1275	TRANSISTOR	1	<R>
Q1902,03		2SB772	TRANSISTOR	2	(P,Q,R)<R>
Q2001		2SD1275	TRANSISTOR	1	<R>
Q2002		MSB710-R	TRANSISTOR	1	<R>
Q2003,04		MSD601-R	TRANSISTOR	2	<R>
Q2005		MSC2295-B	TRANSISTOR	1	<R>
Q2006-08		MSD601-R	TRANSISTOR	3	<R>
Q2010,11		MSD601-R	TRANSISTOR	2	<R>
Q6001		2SD638	TRANSISTOR	1	(Q,R,S)<R>
Q6002		MSB710-R	TRANSISTOR	1	<R>
Q6003,04		2SB819	TRANSISTOR	2	(Q,R,S)<R>
Q6005,06		MSD601-R	TRANSISTOR	2	<R>
Q6007		2SD636-R	TRANSISTOR	1	(R)<R>
Q6009		MSB710-R	TRANSISTOR	1	<R>
Q6010-12		MSD601-R	TRANSISTOR	3	<R>
Q6013		2SB819	TRANSISTOR	1	(Q,R,S)<R>
Q6014,15		MSD601-R	TRANSISTOR	2	<R>
Q6016		2SB941	TRANSISTOR	1	<R>
Q6017		2SD1273	TRANSISTOR	1	<R>
Q6018		MSD601-R	TRANSISTOR	1	<R>
Q6024		2SD1273	TRANSISTOR	1	<R>
QR2001		MRN1402	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR2003		MRN1404	TRANSISTOR	1	<R>
QR2005-07		MRN1404	TRANSISTOR	3	<R>
QR2011		MRN1404	TRANSISTOR	1	<R>
QR6001		MRN1403	TRANSISTOR	1	<R>
QR6002,03		MRN1404	TRANSISTOR	2	<R>
QR6004		DTA143XK-T97	TRANSISTOR-RESISTOR	1	<R>
QR6006		MRN1402	TRANSISTOR	1	<R>
QR6007		MRN1404	TRANSISTOR	1	<R>
QR6008		MRN2404	TRANSISTOR	1	<R>
QR6009		MRN2402	TRANSISTOR	1	<R>
QR6010		MRN1404	TRANSISTOR	1	<R>
QR6011		MRN2404	TRANSISTOR	1	<R>
QR6012		MRN1403	TRANSISTOR	1	<R>
QR6013		MRN1404	TRANSISTOR	1	<R>
QR6014		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR6015-18		MRN1404	TRANSISTOR	4	<R>
QR6019,20		MRN2402	TRANSISTOR	2	<R>
QR6021-24		MRN1404	TRANSISTOR	4	<R>
QR6025		MRN2404	TRANSISTOR	1	<R>
QR6026-30		MRN1404	TRANSISTOR	5	<R>
QR6040		DTC144EK	TRANSISTOR-RESISTOR	1	<R>
QR6041		DTA143XK-T97	TRANSISTOR-RESISTOR	1	<R>
R1901		ERQ12HJ3R9P	F.RESISTOR 1/2W 3.9	1	
R1902		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R1903		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R1904,05		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	2	
R1906		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1907		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R1908		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R1909		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1910		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R1911		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R2001		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2002		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2003		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2004		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2005		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2006		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R2007		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2008		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2013-15		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	3	
R2016		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2017,18		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R2019		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2020		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2021		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2022		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2024		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2025,26		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2027		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R2029		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2030		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2031		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2033		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2034		ERJ6GEYG241	M.RESISTOR CH 1/10W 240	1	
R2035		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2036		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R2037		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R2038		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2039		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R2040		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2041		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2042		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2043		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R2044,45		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2046,47		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R2048		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2049		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2050		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R2051		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2052		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2053		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2054		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2055		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R2056		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2057		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2058		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R2059		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R2060		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R2061,62		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	2	
R2063		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2064		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R2065		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2066		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R2067		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R2068		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R2069		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2070		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2071,72		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	2	
R2073		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2088		ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2089		ERJ6GEYG752	M.RESISTOR CH 1/10W 7.5K	1	
R2090		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R2093		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2094,95		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R2096		ERX12SJR56	M.RESISTOR 1/2W 0.56	1	
R2097		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R2098		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	1	
R2099-01		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2102,03		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	2	
R2104		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R2105		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2106		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2107		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2108,09		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2110		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2112		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2113		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R2116		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2119		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2120		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2121		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2122		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2123		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R2125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2127		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6001		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R6004		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R6005		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6006		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R6007		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6008		ERDS1TJ153	C.RESISTOR 1/2W 15K	1	
R6009		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R6010,11		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6012		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6013		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6014		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R6015		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6016		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R6017		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R6018		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6019,20		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6021		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R6022		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6023		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R6024		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6025		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R6026,27		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	2	
R6028		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R6029		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6030		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R6031		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R6032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6033		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R6034		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6035		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6036		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6037		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6038		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6039		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6040		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R6041		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6042		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R6043,44		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R6045		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6046		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R6047		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6048,49		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6050		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R6051		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R6052		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R6053		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6054		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6055-58		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R6060		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R6061		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6062		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6063		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R6064		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R6065,66		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R6067-73		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	7	
R6074,75		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R6076		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R6077		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6078		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6079		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R6080		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R6081		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R6082,83		ERG1SJ300	M.RESISTOR 1W 30	2	
R6084		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6085		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R6086,87		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	2	
R6088		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6089		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R6090		ERDS1TJ2R2	C.RESISTOR 1/2W 2.2K	1	
R6091,92		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6093		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6094		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6095-98		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R6099		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R6100		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R6101		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R6102		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R6103		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6104,05		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R6106		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6109		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R6110		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6114		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6115		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6116		ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R6117		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6118		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6119-27		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	9	
R6131		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6132		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6133		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R6134		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R6135		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6136		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R6137		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6138		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R6139		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R6140		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6141		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6144		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6150		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
SW6001		VSS0240	SWITCH	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
T6001		EIQ7QF002B	IF TRANSFORMER	1	
VR2001		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2003		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2201		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2202		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2203		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2204-06		EVMF6SA00B15	V.RESISTOR 100K	3	
VR2207		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2208		EVMF6SA00B23	V.RESISTOR 2K	1	
X1901		VSX0136	CRYSTAL OSCILLATOR	1	<R>
X2001		VSX0296	CRYSTAL OSCILLATOR	1	<R>
X6001		VSX0230	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E25		VMC0075	HEAT SINK ANGLE	1	
E26		VMX0985	SPACER	2	
E27		VMZ0960	HEAT SINK BARRIER	1	
E28		VSC1068	HEAT SINK	1	
E29		VSC1689	HEAT SINK	1	
E30		VSC2761	SHIELD (TOP)	1	
E31		VSC2763	SHIELD (BOTTOM)	1	
E32		VSC3427	SHIELD (MAIN)	1	
E33		XTV3+8F	SCREW	1	
E34		VKC0271	HINGE CLIP	2	
	■	VEP00R80A	P.C.BOARD W/COMPONENT		
			SERVO TEST POINT		
P2203		VJP1233T	CONNECTOR(MALE) 6P	1	
	■	VEP02377A	P.C.BOARD W/COMPONENT		
			REEL SERVO		
C2501		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C2502		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2503		ECEA1CKN220	E.CAPACITOR 16V 22U	1	
C2504		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2505		ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C2506		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2507		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2508		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2509		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2510		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2511		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2512		ECEA1CKN4R7	E.CAPACITOR 16V 4.7U	1	
C2513		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2514		ECEA1HKN4R7	E.CAPACITOR 50V 4.7U	1	
C2515		ECEA1HKN2R2	E.CAPACITOR 50V 2.2U	1	
C2516-18		ECEA1CKA220	E.CAPACITOR 16V 22U	3	
C2519		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C2520		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2521		ECEA1CKA330	E.CAPACITOR 16V 33U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2522		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2523		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2524,25		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2526-28		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C2529		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2530		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C2531		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C2532		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C2533		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2534		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2535,36		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2537,38		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	2	
C2539,40		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C2541-43		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	3	
C2544		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2545		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2546		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C2547		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C2548		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2549		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2550		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2551,52		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	2	
C2553,54		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C2555		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2556-58		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	3	
C2559		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2560-64		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	5	
C2565,66		ECEA0JKA101	E.CAPACITOR 6.3V 100U	2	
C2578		ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
D2501-04		MA151WK	DIODE	4	<R>
D2506-09		MA151K	DIODE	4	<R>
IC2501		AN3621NK	IC	1	<R>
IC2502		MN15542VMN	IC	1	<R>
IC2503,04		AN3834K	IC	2	<R>
IC2505		MN1280R	IC	1	<R>
IC2506		LM358P	IC	1	<R>
IC2507		LM324N	IC	1	<R>
IC2508		MC14053BCP	IC	1	<R>
IC2509		LM393P	IC	1	<R>
IC2510		MC14053BCP	IC	1	<R>
IC2511,12		MC14069UBCP	IC	2	<R>
IC2513		LM393P	IC	1	<R>
L2501,02		VLQ0460	COIL	2	
P2501		VJP1230R	CONNECTOR(MALE) 3P	1	
P2502		VJP1230T	CONNECTOR(MALE) 3P	1	
P2503		VJP1511T	CONNECTOR(MALE) 11P	1	
P2505,06		VJS1412	CONNECTOR(FEMALE) 15P	2	
P2507		VJP1232T	CONNECTOR(MALE) 5P	1	
Q2501		2SD636	TRANSISTOR	1	<R>
QR2501-04		MRN1404	TRANSISTOR	4	<R>
QR2505,06		MRN2404	TRANSISTOR	2	<R>
QR2507		MRN1404	TRANSISTOR	1	<R>
QR2508		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR2509,10		MRN1404	TRANSISTOR	2	<R>
QR2511		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR2512		MRN1404	TRANSISTOR	1	<R>
QR2513,14		MRN2404	TRANSISTOR	2	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR2515-18		MRN1404	TRANSISTOR	4	<R>
R2501		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R2502		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R2503		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R2504		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2505,06		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R2507		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2508		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2509		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R2510		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R2511		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R2512		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R2513		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2514,15		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R2516		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2517		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R2518		ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R2519		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2520		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2521		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R2522		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2523		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2524		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2525		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2526		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2527		ERJ6GEYJ823	M.RESISTOR CH 1/10W 82K	1	
R2528		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2529		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R2530		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2531		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2532		ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R2533		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R2534		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2535		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R2536		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R2537		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R2538		ERJ6GEYG363	M.RESISTOR CH 1/10W 36K	1	
R2539		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R2540		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R2541		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R2542		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R2543		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R2544		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R2545		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2546		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2547		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2548		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R2549-53		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R2554		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2555		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2556		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R2557		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R2558		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2559		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2560-64		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	5	
R2565,66		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R2567		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2568		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2569		ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R2570,71		ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R2572		ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R2573		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2574		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2575,76		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2577		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R2578,79		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R2580		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2581		ERX12SJ1R0	M.RESISTOR 1/2W 1	1	
R2582		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R2583		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2584		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R2585		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2586		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2587		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R2588		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R2589		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R2591,92		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R2593		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R2594		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R2595		ERX12SJR56	M.RESISTOR 1/2W 0.56	1	
R2596		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R2597		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R2598		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R2599		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R2600		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R2602,03		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R2604		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R2605		ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R2606		ERJ6GEYG202	M.RESISTOR CH 1/10W 2K	1	
R2607		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R2608		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
RA2501,02		EXBLD4103G	COMBI R-R	2	
X2501		VSX0128	CRYSTAL OSCILLATOR	1	<R>
	■	VEP03877A	P.C.BOARD W/COMPONENT		AG-7350-E/B
			VIDEO (1)		
C3001		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3004		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C3006		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3007		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3008,09		ECEA1CU220	E.CAPACITOR 16V 22U	2	
C3011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3012		ECEA1AN220S	E.CAPACITOR 10V 22U	1	
C3013		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3014,15		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C3016		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3017,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3020,21		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3022		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3023		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3024		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3025		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3026		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C3027		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3028		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C3029		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3031		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3032		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C3033		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C3034		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3035		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3036		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3037		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3038		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C3039		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3040		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3041		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C3042		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3043		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3044		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3045		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3046		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3047		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3048		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3050		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3051,52		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3053		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3054		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3055-57		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3058		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3059		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3060		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3061,62		ECEA1CN100S	E.CAPACITOR 16V 10U	2	
C3063		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3064		ECEA1CN220S	E.CAPACITOR 16V 22U	1	
C3065		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3066		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3068		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3069		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3070		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3071		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3072		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C3074		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3075		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3076		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3077		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3078		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3082		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3083-86		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3087		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C3088,89		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	2	
C3090		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3091		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3092		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3093		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3094		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C3095		ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C3096		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3097		ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C3098		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3099		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3100		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3102		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C3103		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3104		ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C3105-07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3108		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3109-12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3113		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3114,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3116		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3117		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3118		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3119,20		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3121		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3122		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3123		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3124		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C3126-29		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3130		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3131		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3132		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3134		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3135		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C3136		ECQV1H394JZ	P.CAPACITOR 50V 0.39U	1	
C3137		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3138		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3139		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3140		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3141		ECCF1H270JC	C.CAPACITOR 50V 27P	1	
D3002,03		MA151K	DIODE	2	<R>
D3004		MA151WK	DIODE	1	<R>
D3005,06		MA151K	DIODE	2	<R>
D3007		MA151WK	DIODE	1	<R>
D3008		1SS283	DIODE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
FL3001		VLF0499	FILTER	1	
FL3002		ELB4L121	FILTER	1	
FL3003		VLF0878	FILTER	1	
FL3004		VLF0639	FILTER	1	
FL3005		ELB4M022	FILTER	1	
FL3006		ELB5A066	FILTER	1	
FL3007		ELB4R031	FILTER	1	
FL3008,09		ELB4K114	FILTER	2	
IC3001		NJM2233BMA	IC	1	<R>
IC3002		MN74HC4053S	IC	1	
IC3003		NJM2233BMA	IC	1	<R>
IC3004		VEFH07C	IC	1	<R>
IC3005		M52065FP	IC	1	<R>
IC3006		VEFH05BT	IC	1	<R>
IC3007		M52054SP	IC	1	<R>
IC3008		AN6308S	IC	1	<R>
JW3001		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L3002		VLQEL05S121J	COIL 120UH	1	
L3003-05		VLQEL05S101J	COIL 100UH	3	
L3006,07		VLP0083	COIL	2	
L3008		VLQEL05S330J	COIL 33UH	1	
L3009		VLQEL05S220J	COIL 22UH	1	
L3010		VLQEL05S820J	COIL 82UH	1	
L3011		VLQEL05S101J	COIL 100UH	1	
L3012,13		VLQEL05S151J	COIL 150UH	2	
L3014		VLQEL05S101J	COIL 100UH	1	
L3015		VLP0083	COIL	1	
L3016		VLQEL05S101J	COIL 100UH	1	
L3020,21		VLQEL05S5R6J	COIL 5.6UH	2	
L3022		VLQEL05S101J	COIL 100UH	1	
L3023		VLQEL05S120J	COIL 12UH	1	
L3024		VLQEL05S270J	COIL 27UH	1	
L3025		VLQEL05S181J	COIL 180UH	1	
L3026		VLQEL05S101J	COIL 100UH	1	
L3027,28		VLQEL05S100J	COIL 10UH	2	
L3029		VLQEL05S220J	COIL 22UH	1	
L3030,31		VLQEL05S101J	COIL 100UH	2	
L3033		VLQEL05S560J	COIL 56UH	1	
L3034		VLQEL05S6R8J	COIL 6.8UH	1	
L3035		VLQEL05S4R7J	COIL 4.7UH	1	
L3036		VLQEL05S151J	COIL 150UH	1	
L3037		VLQEL05S220J	COIL 22UH	1	
L3038		VLQEL05T681J	COIL 680UH	1	
P3001		VJP1238T	CONNECTOR(MALE) 11P	1	
P3002		VJP3176B064	CONNECTOR (MALE)	1	
Q3001,02		MSD601-R	TRANSISTOR	2	
Q3005		MSD601-R	TRANSISTOR	1	
Q3008		MSC2295-B	TRANSISTOR	1	
Q3009		MSB709-R	TRANSISTOR	1	
Q3010		2SA1022	TRANSISTOR	1	(B)<R>
Q3011		MSC2295-B	TRANSISTOR	1	
Q3012		2SD1330	TRANSISTOR	1	<R>
Q3013		MSB709-R	TRANSISTOR	1	
Q3014		MSC2295-B	TRANSISTOR	1	
Q3015-18		MSD601-R	TRANSISTOR	4	
Q3019-21		MSC2295-B	TRANSISTOR	3	
Q3022		MSB709-R	TRANSISTOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q3023-25		MSC2295-B	TRANSISTOR	3	
Q3027		MSC2295-B	TRANSISTOR	1	
Q3028,29		MSD601-R	TRANSISTOR	2	
Q3030		MSC2295-B	TRANSISTOR	1	
QR3001-03		MRN1404	TRANSISTOR	3	
QR3004		UN2110	TRANSISTOR-RESISTOR	1	
QR3005		UN1113	TRANSISTOR-RESISTOR	1	
QR3006		MRN1404	TRANSISTOR	1	
QR3008		MRN1403	TRANSISTOR	1	
QR3013		MRN1404	TRANSISTOR	1	
QR3014		DTC363EK	TRANSISTOR-RESISTOR	1	
QR3015-20		MRN1404	TRANSISTOR	6	
QR3021		MRN2404	TRANSISTOR	1	
QR3022		MRN1404	TRANSISTOR	1	
R3001		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3002		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3003		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3005		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3007		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3008		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3009		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3010		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3011		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3012		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3013		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3014		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3015		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3016,17		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3018		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3019		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3020		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3021,22		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3023-25		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	3	
R3026		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3027		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3028		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3029		ERJ6GEYJ112	M.RESISTOR CH 1/10W 1.1K	1	
R3031		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3032		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3033		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3034		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3035		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3036,37		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3038		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3040		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3041		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3042		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3043		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3044		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3045		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3046		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3047		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3048		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3049		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3050		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3051		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3052		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3053		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3054		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3055,56		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	
R3057		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3058		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3060		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3063		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3064		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3065,66		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3067		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3068		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3073		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3074		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3075		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3076		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3077		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3078,79		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3080		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3081		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3082		ERJ6GEYG911	M.RESISTOR CH 1/10W 910	1	
R3085		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3089		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3091		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3092		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3093		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3094-96		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	3	
R3097		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3099		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3100		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3101,02		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R3103		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3104		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3106		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3107		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3108		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3109		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3110		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3111		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3112		ERJ6GEYJ184	M.RESISTOR CH 1/10W 180K	1	
R3113		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3114		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3115,16		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3119		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3120		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3121		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3122		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3123		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3124		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3125		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3126		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3127		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3128		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3129		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3130		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3131		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3132		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3133		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3134		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3135		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3136		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3137		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3138		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3141		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3142		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3143		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3144		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3145		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3146		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3147		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3148		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3149		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3150		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3151		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3152		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3153		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3154		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3155-58		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	4	
R3161		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3162		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3163		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3164		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3165		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3166		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3167		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3168		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3169,70		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3171		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3172		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3173		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3174		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3175		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3176		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3177		ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
VR3001,02		EVN32CA00B13	V.RESISTOR 1K	2	
VR3003-05		EVN32CA00B52	V.RESISTOR 500	3	
VR3006		EVMF6SA00B14	V.RESISTOR 10K	1	
VR3007		EVN32CA00B54	V.RESISTOR 50K	1	
VR3008		EVN32CA00B24	VARIABLE 20K	1	
	■	VEP03877B	P.C.BOARD W/COMPONENT		AG-7150-E/B
			VIDEO (1)		
C3001		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3004		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C3006		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3007		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3008,09		ECEA1CU220	E.CAPACITOR 16V 22U	2	
C3011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3012		ECEA1AN220S	E.CAPACITOR 10V 22U	1	
C3013		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3014,15		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	2	
C3020		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3022		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3023		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3024		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3027		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3028		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C3029		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3031		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3032		ECEA0JU331	E.CAPACITOR 6.3V 330U	1	
C3033		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C3034		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3035		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3036		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3037		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3038		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	1	
C3039		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3040		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3041		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C3057		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3058		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3059		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3060		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3061		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C3063		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3064		ECEA1CN220S	E.CAPACITOR 16V 22U	1	
C3065		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3066		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3068		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3069		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3070		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3071		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3072		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C3074		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3075		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3076		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3077		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3078		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3086		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3087		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C3088,89		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	2	
C3090		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3091		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3092		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3093		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3094		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
C3095		ECUM1H681JCN	C.CAPACITOR CH 50V 680P	1	
C3096		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3097		ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C3098		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3099		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3100		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3102		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C3103		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3104		ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C3105-07		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3108		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3109-12		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C3113		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3114,15		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3116		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3117		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3118		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3119		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3121		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3123		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3124		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C3126-29		ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	4	
C3130		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C3131		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3132		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3134		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3137		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3138		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3139		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3140		ECUM1H1032FN	C.CAPACITOR CH 50V 0.01U	1	
C3141		ECCF1H270JC	C.CAPACITOR 50V 27P	1	
D3002,03		MA151K	DIODE	2	<R>
D3006		MA151K	DIODE	1	<R>
D3007		MA151WK	DIODE	1	<R>
D3008		1SS283	DIODE	1	<R>
FL3001		VLF0499	FILTER	1	
FL3002		ELB4L121	FILTER	1	
FL3003		VLF0878	FILTER	1	
FL3004		VLF0639	FILTER	1	
FL3005		ELB4M022	FILTER	1	
FL3006		ELB5A066	FILTER	1	
FL3007		ELB4R031	FILTER	1	
FL3008,09		ELB4K114	FILTER	2	
IC3001		NJM2233BMA	IC	1	<R>
IC3003		NJM2233BMA	IC	1	<R>
IC3004		VEFH07C	IC	1	<R>
IC3005		M52065FP	IC	1	<R>
IC3006		VEFH05BT	IC	1	<R>
IC3007		M52054SP	IC	1	<R>
IC3008		AN6308S	IC	1	<R>
JW3001		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L3002		VLQEL05S121J	COIL 120UH	1	
L3003,04		VLQEL05S101J	COIL 100UH	2	
L3006		VLP0083	COIL	1	
L3008		VLQEL05S330J	COIL 33UH	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L3009		VLQEL05S220J	COIL 22UH	1	
L3011		VLQEL05S101J	COIL 100UH	1	
L3014		VLQEL05S101J	COIL 100UH	1	
L3015		VLP0083	COIL	1	
L3020,21		VLQEL05S5R6J	COIL 5.6UH	2	
L3022		VLQEL05S101J	COIL 100UH	1	
L3023		VLQEL05S120J	COIL 12UH	1	
L3024		VLQEL05S270J	COIL 27UH	1	
L3025		VLQEL05S181J	COIL 180UH	1	
L3026		VLQEL05S101J	COIL 100UH	1	
L3027,28		VLQEL05S100J	COIL 10UH	2	
L3029		VLQEL05S220J	COIL 22UH	1	
L3030,31		VLQEL05S101J	COIL 100UH	2	
L3033		VLQEL05S560J	COIL 56UH	1	
L3037		VLQEL05S220J	COIL 22UH	1	
L3038		VLQEL05T681J	COIL 680UH	1	
P3001		VJP1238T	CONNECTOR(MALE) 11P	1	
P3002		VJP3176B064	CONNECTOR(MALE)	1	
Q3001		MSD601-R	TRANSISTOR	1	<R>
Q3008		MSC2295-B	TRANSISTOR	1	<R>
Q3011		MSC2295-B	TRANSISTOR	1	<R>
Q3012		2SD1330	TRANSISTOR	1	<R>
Q3013		MSB709-R	TRANSISTOR	1	<R>
Q3014		MSC2295-B	TRANSISTOR	1	<R>
Q3015,16		MSD601-R	TRANSISTOR	2	<R>
Q3018		MSD601-R	TRANSISTOR	1	<R>
Q3019-21		MSC2295-B	TRANSISTOR	3	<R>
Q3022		MSB709-R	TRANSISTOR	1	<R>
Q3023-25		MSC2295-B	TRANSISTOR	3	<R>
Q3027		MSC2295-B	TRANSISTOR	1	<R>
QR3001-03		MRN1404	TRANSISTOR	3	<R>
QR3004		UN2110	TRANSISTOR-RESISTOR	1	<R>
QR3005		UN1113	TRANSISTOR-RESISTOR	1	<R>
QR3006		MRN1404	TRANSISTOR	1	<R>
QR3008		MRN1403	TRANSISTOR	1	<R>
QR3013		MRN1404	TRANSISTOR	1	<R>
QR3014		DTC363EK	TRANSISTOR-RESISTOR	1	<R>
QR3018-20		MRN1404	TRANSISTOR	3	<R>
R3001		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3002		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3003		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3005		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3007		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3008		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3009		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3010		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3011		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3012		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3013		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3014		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3015		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3016,17		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	2	
R3018		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3019		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3026		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3027		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3028		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3029		ERJ6GEYJ112	M.RESISTOR CH 1/10W 1.1K	1	
R3031		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3034		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3035		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3036,37		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3038		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3040		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3041		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3042		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3043		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3044		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3045		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3046		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R3047		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3066		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3067		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3068		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3073		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3074		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3075		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3076		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3080		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3081		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3082		ERJ6GEYG911	M.RESISTOR CH 1/10W 910	1	
R3085		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3089		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3099		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3100		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3101,02		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R3103		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3104		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3105		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3106		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3107		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3108		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3109		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3113		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3114		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3115,16		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3119		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3120		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3121		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3122		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3123		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3124		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3125		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3127		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3128		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3131		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3132		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3133		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3134		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3135		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3136		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3137		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3138		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3141		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3142		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3143		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3144		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R3145		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3146		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3147		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3148		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3149		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3150		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3151		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3152		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3153		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3154		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3155-58		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	4	
R3161		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3162		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3163		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3166		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3169,70		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R3171		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3172		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3173		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3174		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3175		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3176		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3177		ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
VR3001		EVN32CA00B13	V.RESISTOR 1K	1	
VR3004,05		EVN32CA00B52	V.RESISTOR 500	2	
VR3006		EVMF6SA00B14	V.RESISTOR 10K	1	
VR3007		EVN32CA00B54	V.RESISTOR 50K	1	
	■	VEP03878A	P.C.BOARD W/COMPONENT		AG-7350-E/B
			VIDEO (2)		INCLUDING THE
					CCD UNIT (VEP03880A)
C8001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8002		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8003		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8004		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8005		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8006		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8007		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8008		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C8009		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C8010		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8012,13		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	2	
C8014		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C8015		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8016		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8017		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8018-22		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C8023		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C8024		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C8025		ECV1ZW20X53T	V.CAPACITOR 20P	1	
C8026		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C8027,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8029		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C8030		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C8031		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C8032		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8033		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C8034		ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C8035		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8037		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C8038,39		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8040,41		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C8042,43		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8044		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C8045		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C8046		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8047		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C8048		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8049		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8050		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8051		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8052		ECEA0JN470S	E.CAPACITOR 6.3V 47U	1	
C8053		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8054		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8055		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8056		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C8057		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C8058		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8059		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8060		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C8061		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8062,63		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8064		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8065		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8066		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8067		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8068		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8069,70		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8071		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8072		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C8073		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8074		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C8075,76		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8077		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8078		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8079		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8080		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C8081		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8082		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8083		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8084,85		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8089,90		ECUM1H333ZFN	C.CAPACITOR CH 50V 0.033U	2	
C8092		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8095		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8097		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8098		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8099,00		ECEA0JN470S	E.CAPACITOR 6.3V 47U	2	
C8101		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8102		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8103		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8104		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8105		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8106		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C8107,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8109		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8110		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8112-14		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C8115		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8116		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8117		ECCF1H560JC	C.CAPACITOR 50V 56P	1	
C8501		ECEA1HKS010	E.CAPACITOR 50V 1U	1	
C8502		ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C8503		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8504		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8505		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8506		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8507		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8508		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C8509,10		ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	2	
C8511		ECEA0JKN470	E.CAPACITOR 6.3V 47U	1	
C8512		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8514		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8515		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8516		ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	1	
C8517,18		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C8519		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8520,21		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
D8001		MA151K	DIODE	1	<R>
D8002		MA153	DIODE	1	<R>
D8003		MA151K	DIODE	1	<R>
D8004		MA3091-M	DIODE	1	<R>
D8005,06		MA151K	DIODE	2	<R>
D8007		MA151WK	DIODE	1	<R>
D8008,09		MA151K	DIODE	2	<R>
D8010,11		MA151WK	DIODE	2	<R>
D8012		MA151K	DIODE	1	<R>
D8014		MA151K	DIODE	1	<R>
D8015		MA165TA5VT	DIODE	1	<R>
DL8001		EFDVR645A45A	DELAY LINE	1	
DL8002		VLD0147	DELAY LINE	1	
DL8003		VLD0089	DELAY LINE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
FL8001		VLF0299	FILTER	1	
FL8002		ELB4R049	FILTER	1	
FL8003		VLD0125	DELAY LINE	1	
FL8004		VLD0153	FILTER	1	
FL8501,02		VLF0523	FILTER	2	
FL8503,04		VLF0526	FILTER	2	
FL8505		ELB4H054	FILTER	1	
IC8001		VCR0284	IC	1	<R>
IC8002		NJM2233BMA	IC	1	<R>
IC8003		AN3495K	IC	1	<R>
IC8004		MSM6871RS	IC	1	<R>
IC8005		M52079SP	IC	1	<R>
IC8006,07		NJM2233BMA	IC	2	<R>
IC8504		CXL1009P	IC	1	<R>
IC8505		AN78L09	IC	1	<R>
JW8001,02		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L8001-03		VLQEL05S101J	COIL 100UH	3	
L8004,05		VLQEL05S150J	COIL 15UH	2	
L8006		VLQEL05S330J	COIL 33UH	1	
L8007,08		VLQEL05S101J	COIL 100UH	2	
L8009,10		VLQEL05T681J	COIL 680UH	2	
L8011		VLQEL05S331J	COIL 330UH	1	
L8013		VLQEL05S470J	COIL 47UH	1	
L8014		VLQEL05S150J	COIL 15UH	1	
L8015		VLQEL05S101J	COIL 100UH	1	
L8016		VLP0083	COIL	1	
L8017		VLQEL05S101J	COIL 100UH	1	
L8018		VLQEL05S270J	COIL 27UH	1	
L8019,20		VLQEL05S101J	COIL 100UH	2	
L8021,22		VLQEL05S150J	COIL 15UH	2	
L8023		VLQEL05S151J	COIL 150UH	1	
L8024-28		VLQEL05S101J	COIL 100UH	5	
L8029		VLQEL05S151J	COIL 150UH	1	
L8031		VLQEL05S221J	COIL 220UH	1	
L8501-03		VLQEL05K101J	COIL 100UH	3	
L8510		VLP0053	COIL	1	
P8001		VJP2776	CONNECTOR(MALE) 3P	1	
P8002		VJP2775	CONNECTOR(MALE) 2P	1	
P8003		VJP3176B064	CONNECTOR(MALE)	1	
P8506		VJS2776	CONNECTOR(FEMALE) 3P	1	
P8507		VJS2775	CONNECTOR(FEMALE) 2P	1	
Q8001		MSB709-R	TRANSISTOR	1	<R>
Q8002-04		MSD601-R	TRANSISTOR	3	<R>
Q8005-08		MSC2295-B	TRANSISTOR	4	<R>
Q8009		MSD601-R	TRANSISTOR	1	<R>
Q8010		MSC2295-B	TRANSISTOR	1	<R>
Q8011,12		MSB709-R	TRANSISTOR	2	<R>
Q8013		MSD601-R	TRANSISTOR	1	<R>
Q8017		MSC2295-B	TRANSISTOR	1	<R>
Q8018		2SA1022	TRANSISTOR	1	(B)<R>
Q8019		MSD601-R	TRANSISTOR	1	<R>
Q8020		MSC2295-B	TRANSISTOR	1	<R>
Q8021,22		MSD601-R	TRANSISTOR	2	<R>
Q8506		MSC2295-B	TRANSISTOR	1	<R>
Q8507		MSB709-R	TRANSISTOR	1	<R>
Q8508		MSC2295-B	TRANSISTOR	1	<R>
QR8001		MRN1404	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR8002		XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR8003-07		MRN1404	TRANSISTOR	5	<R>
QR8009		MRN1404	TRANSISTOR	1	<R>
QR8010		MRN1402	TRANSISTOR	1	<R>
QR8011		XN1113	TRANSISTOR-RESISTOR	1	<R>
QR8012		XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR8013		MRN1404	TRANSISTOR	1	<R>
QR8014		MRN1403	TRANSISTOR	1	<R>
QR8015		MRN2403	TRANSISTOR-RESISTOR	1	<R>
QR8016		MRN1404	TRANSISTOR	1	<R>
QR8017		XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR8018		MRN1404	TRANSISTOR	1	<R>
QR8019		MRN1402	TRANSISTOR	1	<R>
R8001		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8003		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8004		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8005		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8006		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8007,08		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R8009		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8010		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8011		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R8012		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8013,14		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8015		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8016		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8017		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8018		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R8019		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8020,21		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R8022		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8023		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8024		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8025,26		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	2	
R8027		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8028		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8029		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R8030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8031		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8032		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8033		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8034		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8035		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8036		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8037		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8038		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8039		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R8040		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8041		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8042		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8043		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8044		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8045		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8046		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8047		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R8048		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8049		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8050		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8051		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8052		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8053		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8054		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8055		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8056		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R8057,58		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R8059		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8060		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8061		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8062		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8063		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8064		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8065		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8066		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8067		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8068		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8069		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8070		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8071		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8072		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8073		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8074		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8075		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R8076		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8077		ERJ6GEYG913	M.RESISTOR CH 1/10W 91K	1	
R8078		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8088		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8089		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8090		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8091,92		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8093		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8100		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8101,02		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8103		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8104		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8105		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8106		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R8107		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8109		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8110		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8112		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8115		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8116		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8117		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8118		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8119,20		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8121,22		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8123		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8124		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8125		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8126		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8127		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8128		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8129,30		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	2	
R8131		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8132		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8133		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8137,38		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8501		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8502		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8503		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8504		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8505		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8506		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8507		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8508,09		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R8510		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8517		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8535		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
VR8001		EVN32CA00B14	V.RESISTOR 10K	1	
VR8003		EVMF6SA00B13	V.RESISTOR 1K	1	
VR8004		EVN32CA00B24	VARIABLE 20K	1	
VR8005		EVN32CA00B52	V.RESISTOR 500	1	
VR8006		EVN32CA00B13	V.RESISTOR 1K	1	
VR8007		EVN32CA00B24	VARIABLE 20K	1	
VR8009,10		EVN32CA00B13	V.RESISTOR 1K	2	
X8001		VSX0162	CRYSTAL OSCILLATOR	1	<R>
X8002		VSX0316	CRYSTAL OSCILLATOR	1	<R>
X8502		VSX0323	CRYSTAL OSCILLATOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
E36		VSC2911	SHIELD CASE (TOP BOTTOM)	2	
E37		VSC2912	SHIELD CASE (MAIN)	1	
	■	VEP03878B	P.C.BOARD W/COMPONENT		AG-7150-E/B
			VIDEO (2)		INCLUDING THE
					CCD UNIT (VEP03880A)
C8001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8002		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8003		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8004		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8005		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8006		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8007		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8008		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C8009		ECEA1HFS4R7	E.CAPACITOR 50V 4.7U	1	
C8010		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8011		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8012,13		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	2	
C8014		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C8015		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8016		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8017		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8018-22		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C8023		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C8024		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C8026		ECUM1H060DCN	C.CAPACITOR CH 50V 6P	1	
C8027,28		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8029		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C8030		ECUM1H391JCN	C.CAPACITOR CH 50V 390P	1	
C8031		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C8032		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8033		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C8034		ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C8035		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8037		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C8038,39		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8040,41		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C8042,43		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8044		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C8045		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C8046		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8047		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C8048		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8049		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8050		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8051		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8052		ECEA0JN470S	E.CAPACITOR 6.3V 47U	1	
C8053		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C8054		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8055		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8056		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C8057		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C8058		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8059		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8060		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C8061		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C8062,63		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8064		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8065		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8066		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C8067		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8068		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8069,70		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8071		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8072		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C8073		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8074		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C8075,76		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8077		ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8078		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8079		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8080		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C8081		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8082		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8083		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8084,85		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8089,90		ECUM1H333ZFN	C.CAPACITOR CH 50V 0.033U	2	
C8092		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8095		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8097		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8098		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8099,00		ECEA0JN470S	E.CAPACITOR 6.3V 47U	2	
C8101		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8102		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8103		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C8104		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C8105		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8106		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C8107,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C8109		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8110		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8112-14		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C8115		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8116		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8117		ECCF1H560JC	C.CAPACITOR 50V 56P	1	
C8501		ECEA1HKS010	E.CAPACITOR 50V 1U	1	
C8502		ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C8503		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8504		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8505		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8506		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8507		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8508		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C8509,10		ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	2	
C8511		ECEA0JKN470	E.CAPACITOR 6.3V 47U	1	
C8512		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8514		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8515		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C8516		ECEA1EKS3R3	E.CAPACITOR 25V 3.3U	1	
C8517,18		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C8519		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8520,21		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
D8001		MA151K	DIODE	1	<R>
D8002		MA153	DIODE	1	<R>
D8003		MA151K	DIODE	1	<R>
D8004		MA3091-M	DIODE	1	<R>
D8005,06		MA151K	DIODE	2	<R>
D8007		MA151WK	DIODE	1	<R>
D8008,09		MA151K	DIODE	2	<R>
D8010,11		MA151WK	DIODE	2	<R>
D8012		MA151K	DIODE	1	<R>
D8014		MA151K	DIODE	1	<R>
D8015		MA165TA5VT	DIODE	1	<R>
DL8001		EFDVR645A45A	DELAY LINE	1	
DL8002		VLD0147	DELAY LINE	1	
DL8003		VLD0089	DELAY LINE	1	
FL8001		VLF0299	FILTER	1	
FL8002		ELB4R049	FILTER	1	
FL8003		VLD0125	DELAY LINE	1	
FL8501,02		VLF0523	FILTER	2	
FL8503,04		VLF0526	FILTER	2	
FL8505		ELB4H054	FILTER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC8001		VCR0284	IC	1	<R>
IC8002		NJM2233BMA	IC	1	<R>
IC8003		AN3495K	IC	1	<R>
IC8004		MSM6871RS	IC	1	<R>
IC8005		M52079SP	IC	1	<R>
IC8006,07		NJM2233BMA	IC	2	<R>
IC8504		CXL1009P	IC	1	<R>
IC8505		AN78L09	IC	1	<R>
JW8001,02		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L8001-03		VLQEL05S101J	COIL 100UH	3	
L8004,05		VLQEL05S150J	COIL 15UH	2	
L8006		VLQEL05S330J	COIL 33UH	1	
L8007,08		VLQEL05S101J	COIL 100UH	2	
L8009,10		VLQEL05T681J	COIL 680UH	2	
L8011		VLQEL05S331J	COIL 330UH	1	
L8013		VLQEL05S470J	COIL 47UH	1	
L8014		VLQEL05S150J	COIL 15UH	1	
L8015		VLQEL05S101J	COIL 100UH	1	
L8016		VLP0083	COIL	1	
L8017		VLQEL05S101J	COIL 100UH	1	
L8018		VLQEL05S270J	COIL 27UH	1	
L8019,20		VLQEL05S101J	COIL 100UH	2	
L8021,22		VLQEL05S150J	COIL 15UH	2	
L8023		VLQEL05S151J	COIL 150UH	1	
L8024-28		VLQEL05S101J	COIL 100UH	5	
L8029		VLQEL05S151J	COIL 150UH	1	
L8031		VLQEL05S221J	COIL 220UH	1	
L8501-03		VLQEL05K101J	COIL 100UH	3	
L8510		VLP0053	COIL	1	
P8001		VJP2776	CONNECTOR(MALE) 3P	1	
P8002		VJP2775	CONNECTOR(MALE) 2P	1	
P8003		VJP3176B064	CONNECTOR(MALE)	1	
P8506		VJS2776	CONNECTOR(FEMALE) 3P	1	
P8507		VJS2775	CONNECTOR(FEMALE) 2P	1	
Q8001		MSB709-R	TRANSISTOR	1	<R>
Q8002-04		MSD601-R	TRANSISTOR	3	<R>
Q8005-08		MSC2295-B	TRANSISTOR	4	<R>
Q8009		MSD601-R	TRANSISTOR	1	<R>
Q8010		MSC2295-B	TRANSISTOR	1	<R>
Q8011,12		MSB709-R	TRANSISTOR	2	<R>
Q8013		MSD601-R	TRANSISTOR	1	<R>
Q8017		MSC2295-B	TRANSISTOR	1	<R>
Q8018		2SA1022	TRANSISTOR	1	(B)<R>
Q8019		MSD601-R	TRANSISTOR	1	<R>
Q8020		MSC2295-B	TRANSISTOR	1	<R>
Q8021,22		MSD601-R	TRANSISTOR	2	<R>
Q8506		MSC2295-B	TRANSISTOR	1	<R>
Q8507		MSB709-R	TRANSISTOR	1	<R>
Q8508		MSC2295-B	TRANSISTOR	1	<R>
QR8001		MRN1404	TRANSISTOR	1	<R>
QR8002		XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR8003-07		MRN1404	TRANSISTOR	5	<R>
QR8009		MRN1404	TRANSISTOR	1	<R>
QR8010		MRN1402	TRANSISTOR	1	<R>
QR8011		XN1113	TRANSISTOR-RESISTOR	1	<R>
QR8012		XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR8013		MRN1404	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR8014		MRN1403	TRANSISTOR	1	<R>
QR8015		MRN2403	TRANSISTOR-RESISTOR	1	<R>
QR8016		MRN1404	TRANSISTOR	1	<R>
QR8017		XN1213	TRANSISTOR-TRANSISTOR	1	
QR8018		MRN1404	TRANSISTOR	1	
QR8019		MRN1402	TRANSISTOR	1	
R8001		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8003		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8004		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8005		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8006		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8007,08		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	
R8009		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8010		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8011		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R8012		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8013,14		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8015		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R8016		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8017		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8018		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R8019		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8020,21		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	2	
R8022		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8023		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8024		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8025,26		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	2	
R8027		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8028		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8029		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R8030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8031		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8032		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8033		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8034		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8035		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8036		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8037		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8038		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8039		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R8040		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8041		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8042		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8043		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8044		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R8045		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8046		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8047		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R8048		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8049		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8050		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8051		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8052		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8053		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8054		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8055		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8056		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R8057,58		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R8059		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R8060		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8061		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R8062		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8063		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	1	
R8064		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8065		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8066		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8067		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R8068		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8069		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8070		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8071		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8072		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8073		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8074		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R8075		ERJ6GEYJ394	M.RESISTOR CH 1/10W 390K	1	
R8076		ERJ6GEYJ221	M.RESISTOR CH 1/10W 2.2K	1	
R8077		ERJ6GEYG913	M.RESISTOR CH 1/10W 91K	1	
R8078		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R8088		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8089		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8090		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8091,92		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8093		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8100		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R8101,02		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8103		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8104		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8105		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8106		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R8107		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8109		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R8110		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R8112		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R8115		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R8116		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8117		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8118		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8119,20		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R8121,22		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8123		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R8124		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8125		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R8126		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R8127		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8128		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R8129,30		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	2	
R8131		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8132		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R8133		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R8135		ERDS2TJ123	C.RESISTOR 1/4W 12K	1	
R8136		ERDS2TJ822	C.RESISTOR 1/4W 8.2K	1	
R8137,38		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R8501		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R8502		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R8503		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8504		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8505		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8506		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R8507		ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	
R8508,09		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R8510		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R8517		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R8535		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
VR8001		EVN32CA00B14	V.RESISTOR 10K	1	
VR8003		EVMF6SA00B13	V.RESISTOR 1K	1	
VR8005		EVN32CA00B52	V.RESISTOR 500	1	
VR8006		EVN32CA00B13	V.RESISTOR 1K	1	
VR8007		EVN32CA00B24	VARIABLE 20K	1	
VR8009,10		EVN32CA00B13	V.RESISTOR 1K	2	
X8001		VSX0162	CRYSTAL OSCILLATOR	1	<R>
X8002		VSX0316	CRYSTAL OSCILLATOR	1	<R>
X8502		VSX0323	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E36		VSC2911	SHIELD CASE (TOP, BOTTOM)	2	
E37		VSC2912	SHIELD CASE (MAIN)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP03879A	P.C.BOARD W/COMPONENT		AG-7350-E/B
			VIDEO (3)		INCLUDING THE
					CCD PACK (1)
					(VEP00R78A)
					CCD PACK (2)
					(VEP00R78B)
C1		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C2		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C4,C5		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C7		ECEA1HKS4R7	E.CAPACITOR 50V 4.7U	1	
C8		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C9		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C10		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C11		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C12		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3501-03		ECEA1CU470	E.CAPACITOR 16V 47U	3	
C3505		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3506		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3507,08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3510		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3511		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3512		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3513		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3514,15		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C3516		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C3517		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3518		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3519,20		ECEA1HU3R3	E.CAPACITOR 50V 3.3U	2	
C3521		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3522		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3523		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3524		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3526		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3528		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3529		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3530		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C3531		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3533		ECUM1H030DCN	C.CAPACITOR CH 50V 3P	1	
C3534		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3535		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3536		ECEA1VU220	E.CAPACITOR 35V 22U	1	
C3537		ECEA1HU100	E.CAPACITOR 50V 10U	1	
C3538		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3539		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3540,41		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3542		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3543		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C3544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3545		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3546		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3547,48		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C3549		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3550		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3551		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3552		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3553		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C3554		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3558		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3559		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3560		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C3561		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3562		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3563,64		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3565		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3566,67		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3568		ECQP1H392JZ	P.CAPACITOR 50V 3900P	1	
C3569		ECEA1HKGR68	E.CAPACITOR 50V 0.68U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3570		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C3571		ECQB1H152JF	P.CAPACITOR 50V 1500P	1	
C3572		ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C3573		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3574		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3575		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3576		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3577		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3578		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3579		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C3580		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3581		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3582		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3583		ECEA1HUR22	E.CAPACITOR 50V	1	
C3584,85		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C3586		ECV1ZW20X53T	V.CAPACITOR 20P	1	
C3587		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3588		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3590		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3591		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3592		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3593		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3594		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3595		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3596		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3597		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3598		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3599,00		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C3601,02		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C3603		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3604		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3605		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3606,07		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C3608,09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3610		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3611		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3612		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3613		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3614		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3615		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3616		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3617		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3618		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3619		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3620		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3621,22		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3623		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3624,25		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3626		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3627		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3628		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3629		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C3630-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3633		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C3634		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3637		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3639		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3640		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3641		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C3642		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3643		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3644		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3645		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C3646		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3647		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3648,49		ECCF1H120JC	C.CAPACITOR 50V 12P	2	
D1		MA3091M	DIODE	1	<R>
D1		MA3091M	DIODE	1	<R>
D3501		MA3200M	DIODE	1	<R>
D3502-04		MA151K	DIODE	3	<R>
D3505		MA28W-AB	DIODE	1	<R>
D3506-09		MA151K	DIODE	4	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
DL3501		VLD0127	DELAY LINE	1	
FL3501		VLF0766	FILTER	1	
FL3502		ELXTS470GA	FILTER	1	
FL3503,04		VLF0811	FILTER	2	
FL3506		VLF0765	FILTER	1	
FL3507		ELXTS470GA	FILTER	1	
IC1		MSM6871RS	IC	1	<R>
IC3501		M52065FP	IC	1	<R>
IC3502		AN3916	IC	1	<R>
IC3503		UPC78L05J	IC	1	<R>
IC3504		BA7021	IC	1	<R>
IC3505		MN4030BS	IC	1	<R>
IC3507		UPC78L05J	IC	1	<R>
IC3508		NJM2233BMA	IC	1	<R>
IC3509		AN3296S	IC	1	<R>
IC3510		MN1280P	IC	1	<R>
IC3511		M50455-001SP	IC	1	<R>
IC3512		UPC78L05J	IC	1	<R>
IC3513		UPD4066BG	IC	1	<R>
IC3514		BA7607F	IC	1	<R>
IC3515		AN3581S	IC	1	<R>
IC3516		TC7S04F		1	<R>
J3501		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J3503		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L1		VLQ0460	COIL 100UH	1	
L3501,02		VLQEL05S101J	COIL 100UH	2	
L3503,04		VLP0083	COIL	2	
L3505-11		VLQEL05S101J	COIL 100UH	7	
L3512		VLQEL05S150J	COIL 15UH	1	
L3514-17		VLQEL05S101J	COIL 100UH	4	
L3518		VLP0083	COIL	1	
L3519,20		VLQEL05S101J	COIL 100UH	2	
L3521,22		VLQEL05S180J	COIL 18UH	2	
L3523		VLQEL05S101J	COIL 100UH	1	
L3524,25		VLQEL05S560J	COIL 56UH	2	
P1		VJR0231	PACK PIN 6P	1	
P3501		VJP3176B064	CONNECTOR(MALE)	1	
Q1-Q3		MSC2295-B	TRANSISTOR	3	<R>
Q3501		MSD601-R	TRANSISTOR	1	<R>
Q3502		MSC2295-B	TRANSISTOR	1	<R>
Q3503		2SA1022	TRANSISTOR	1	(B)<R>
Q3504		MSD601-R	TRANSISTOR	1	<R>
Q3506		MSC2295-B	TRANSISTOR	1	<R>
Q3507		2SA1022	TRANSISTOR	1	<R>
Q3508-10		MSD601-R	TRANSISTOR	3	<R>
Q3511		MSB709-R	TRANSISTOR	1	<R>
Q3512		MSD601-R	TRANSISTOR	1	<R>
Q3513		MSB709-R	TRANSISTOR	1	<R>
Q3514		2SB641	TRANSISTOR	1	<R>
Q3515		MSC2295-B	TRANSISTOR	1	<R>
Q3516		2SA1022	TRANSISTOR	1	(B)<R>
Q3517		MSB709-R	TRANSISTOR	1	<R>
Q3519		MSD601-R	TRANSISTOR	1	<R>
Q3520		MSB709-R	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q3521-24		MSD601-R	TRANSISTOR	4	<R>
Q3525		MSB709-R	TRANSISTOR	1	<R>
Q3526-30		MSD601-R	TRANSISTOR	5	<R>
Q3531		MSC2295-B	TRANSISTOR	1	<R>
Q3532		2SA1022	TRANSISTOR	1	(B)<R>
Q3533		MSB709-R	TRANSISTOR	1	<R>
Q3534,35		MSD601-R	TRANSISTOR	2	<R>
QR3501		XN1501	TRANSISTOR-TRANSISTOR	1	<R>
QR3502-06		MRN1404	TRANSISTOR	5	<R>
QR3507		MRN1402	TRANSISTOR	1	<R>
QR3508-12		MRN1404	TRANSISTOR	5	<R>
QR3513		XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR3514-17		MRN1404	TRANSISTOR	4	<R>
QR3520,21		MRN1404	TRANSISTOR	2	<R>
R1		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R2		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4,R5		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R6		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R7		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R8		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3501,02		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R3503-05		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3506		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3507		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3508		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3509		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3510		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3511		ERJ6GEYJ112	M.RESISTOR CH 1/10W 1.1K	1	
R3512		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3513,14		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3515		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3516		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3517		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3518		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3519		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3520-25		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	6	
R3526		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3527		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R3528		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3529		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3530		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3531		ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	1	
R3532		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R3534		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3536		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3537		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3538		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R3539		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3540-42		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3544		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R3545-47		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3548		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3549,50		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3551		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3552		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3553		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R3555		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3556		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R3557		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R3558		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3559		ERJ6GEYG133	M.RESISTOR CH 1/10W 13K	1	
R3560		ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R3561		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3562		ERJ6GEYG561	M.RESISTOR CH 1/10W 560	1	
R3563		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R3564		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3565		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3566		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3567		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3573,74		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3575		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3576,77		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3578		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3579		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3580		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3581		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3582		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3583		ERJ6GEYG473	M.RESISTOR CH 1/10W 47K	1	
R3584		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3585		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R3586		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R3587		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3588		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3589		ERJ6GEYG113	M.RESISTOR CH 1/10W 11K	1	
R3590,91		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3592		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R3593		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R3594		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3595		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3596		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3597		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3598		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3599,00		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R3601		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3602		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3603		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3604		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3605		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3606		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3607		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3608		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3609,10		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3611		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3612		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3613		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3614		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3615		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3616		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3617,18		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3620		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3621		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3622		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3623		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3624		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3625		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3626		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3627,28		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3629		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3630		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3631		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3632		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3633-35		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3636		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3637		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3638-40		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3641-43		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3644		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3645		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3646		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3647		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3648,49		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R3650		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3651-54		ERJ6GEYG750	M.RESISTOR CH 1/10W 75	4	
R3655		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3657		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3658		ERJ6GEYG112	M.RESISTOR CH 1/10W 1.1K	1	
R3659		ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R3660		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3661		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R3663		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3664		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3667		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3668		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3669		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3670		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3671-73		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3675		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3676		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R3678		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3679		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3680		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3681		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3682		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
TH3501		ERTD2FHL102S	THERMISTOR 1K	1	
VR3501		EVN32CA00B24	VARIABLE 20K	1	
VR3502,03		EVN32CA00B13	V.RESISTOR 1K	2	
X1		VSX0316	CRYSTAL OSCILLATOR	1	<R>
X3501		VSX0114	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E41		VMX0469	TERMISTOR SPACER	1	
	■	VEP03879B	P.C.BOARD W/COMPONENT		AG-7150-E/B
			VIDEO (3)		
C3515		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3521		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3522		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3523		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3524		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3536		ECEA1VU220	E.CAPACITOR 35V 22U	1	
C3537		ECEA1HU100	E.CAPACITOR 50V 10U	1	
C3538		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3539		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3540		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3543		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C3544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3545		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3546		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3547,48		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C3549		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3550		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3551		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3552		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C3558		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3559		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3561		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3562		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3563,64		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3565		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3566		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3568		ECQP1H392JZ	P.CAPACITOR 50V 3900P	1	
C3569		ECEA1HKGR68	E.CAPACITOR 50V	1	
C3570		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C3571		ECQB1H152JF	P.CAPACITOR 50V 1500P	1	
C3572		ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C3573		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3574		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3575		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3576		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3577		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3578		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3579		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C3580		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3581		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3582		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3583		ECEA1HUR22	E.CAPACITOR 50V 0.22U	1	
C3584,85		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C3586		ECV1ZW20X53T	V.CAPACITOR 20P	1	
C3587		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3588		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C3590		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3591		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3592		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3593		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3594		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3595		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3596		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3597		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C3598		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3599,00		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C3601,02		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	2	
C3603		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3604		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3605		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3606,07		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C3608,09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3610		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3611		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3612		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3613		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3614		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3615		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C3616		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3617		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3618		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3619		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3620		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C3621,22		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3623		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C3624,25		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C3626		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3627		ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C3628		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3629		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C3630-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C3633		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C3634		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C3637		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3639		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C3640		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C3642		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3644		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3645		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C3647		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
D3501		MA3200M	DIODE	1	<R>
D3504		MA151K	DIODE	1	<R>
D3505		MA28W-AB	DIODE	1	<R>
D3506-08		MA151K	DIODE	3	<R>
DL3501		VLD0127	DELAY LINE	1	
IC3501		M52065FP	IC	1	<R>
IC3502		AN3916	IC	1	<R>
IC3503		UPC78L05J	IC	1	<R>
IC3504		BA7021	IC	1	<R>
IC3507		UPC78L05J	IC	1	<R>
IC3508		NJM2233BMA	IC	1	<R>
IC3509		AN3296S	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC3510		MN1280P	IC	1	<R>
IC3511		M50455-001SP	IC	1	<R>
IC3512		UPC78L05J	IC	1	<R>
IC3513		UPD4066BG	IC	1	<R>
IC3514		BA7607F	IC	1	<R>
IC3515		AN3581S	IC	1	<R>
L3506,07		VLQEL05S101J	COIL 100UH	2	
L3509-11		VLQEL05S101J	COIL 100UH	3	
L3512		VLQEL05S150J	COIL 15UH	1	
L3514-17		VLQEL05S101J	COIL 100UH	4	
L3519,20		VLQEL05S101J	COIL 100UH	2	
L3521,22		VLQEL05S180J	COIL 18UH	2	
L3523		VLQEL05S101J	COIL 100UH	1	
L3525		VLQEL05S560J	COIL 56UH	1	
P3501		VJP3176B064	CONNECTOR(MALE)	1	
Q3514		2SB641	TRANSISTOR	1	<R>
Q3515		MSC2295-B	TRANSISTOR	1	<R>
Q3516		2SA1022	TRANSISTOR	1	(B)<R>
Q3517		MSB709-R	TRANSISTOR	1	<R>
Q3519		MSD601-R	TRANSISTOR	1	<R>
Q3520		MSB709-R	TRANSISTOR	1	<R>
Q3521-24		MSD601-R	TRANSISTOR	4	<R>
Q3525		MSB709-R	TRANSISTOR	1	<R>
Q3526-30		MSD601-R	TRANSISTOR	5	<R>
Q3531		MSC2295-B	TRANSISTOR	1	<R>
Q3532		2SA1022	TRANSISTOR	1	(B)<R>
Q3533		MSB709-R	TRANSISTOR	1	<R>
Q3534,35		MSD601-R	TRANSISTOR	2	<R>
QR3504-06		MRN1404	TRANSISTOR	3	<R>
QR3507		MRN1402	TRANSISTOR	1	<R>
QR3508-12		MRN1404	TRANSISTOR	5	<R>
QR3513		XN1213	TRANSISTOR-TRANSISTOR	1	<R>
QR3514-17		MRN1404	TRANSISTOR	4	<R>
QR3521		MRN1404	TRANSISTOR	1	<R>
R3524,25		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3526		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R3529		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3548		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3553		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R3554		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3555		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3556		ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R3557		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R3558		ERJ6GEYG333	M.RESISTOR CH 1/10W 33K	1	
R3559		ERJ6GEYG133	M.RESISTOR CH 1/10W 13K	1	
R3560		ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R3561		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3562		ERJ6GEYG561	M.RESISTOR CH 1/10W 560	1	
R3563		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R3564		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3565		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R3566		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3567		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3573		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3575		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R3576,77		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3582		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3583		ERJ6GEYG473	M.RESISTOR CH 1/10W 47K	1	
R3584		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3585		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3586		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R3587		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R3588		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R3589		ERJ6GEYG113	M.RESISTOR CH 1/10W 11K	1	
R3590,91		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3592		ERJ6GEYJ564	M.RESISTOR CH 1/10W 560K	1	
R3593		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R3594		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3595		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R3596		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3597		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R3598		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3599,00		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R3601		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3602		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3603		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R3604		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3605		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R3606		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3607		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3608		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3609,10		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R3611		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3612		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3613		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R3614		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3615		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3616		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R3617,18		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3620		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3621		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R3622		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3623		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3624		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3625		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3626		ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	1	
R3627,28		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R3629		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R3630		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3631		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3632		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3633-35		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3636		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3637		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R3638-40		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3641-43		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	3	
R3644		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3645		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R3646		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R3647		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3648,49		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R3650		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3651-54		ERJ6GEYG750	M.RESISTOR CH 1/10W 75	4	
R3655		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R3657		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3658		ERJ6GEYG112	M.RESISTOR CH 1/10W 1.1K	1	
R3659		ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R3660		ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3661		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R3663		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R3664		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R3667		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R3668		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3669		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R3670		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R3671-73		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R3678		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R3679		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R3680		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R3681		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
VR3503		EVN32CA00B13	V.RESISTOR 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
X3501		VSX0114	CRYSTAL OSCILLATOR	1	<R>
	■	VEP04326C	P.C.BOARD W/COMPONENT		AG-7350-E/B
			AUDIO (1)		
C4001		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4002		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C4003		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C4004		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4005,06		ECEA1HU010	E.CAPACITOR 50V 1U	2	
C4007		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4008		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4009		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4010		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4011		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4012,13		ECQB1H183JF	P.CAPACITOR 50V 0.018U	2	
C4014		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4015		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4019		ECQB1H182JF	P.CAPACITOR 50V 1800P	1	
C4020		ECEA50M1	E.CAPACITOR 50V 1U	1	
C4021		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4022		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C4023		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4024		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4025		ECUM1H331KBN	C.CAPACITOR CH 50V 330P	1	
C4026		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4027		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4029		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4030		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4031		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C4032		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4033		ECEA50ZR68	E.CAPACITOR 50V 0.68U	1	
C4034-36		ECEA1CU100	E.CAPACITOR 16V 10U	3	
C4037		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4039		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4040		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4041		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4042		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C4043		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4044		ECEA50ZR68	E.CAPACITOR 50V 0.68U	1	
C4045-47		ECEA1CU100	E.CAPACITOR 16V 10U	3	
C4048		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C4049		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4050		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4051		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4052		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4053		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4055		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4056		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4057-62		ECEA1CU100	E.CAPACITOR 16V 10U	6	
C4063		ECQB1H272JF	P.CAPACITOR 50V 2700P	1	
C4064		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C4065		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4066		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4067		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4068		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4069		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4070,71		ECQB1H183JF	P.CAPACITOR 50V 0.018U	2	
C4072		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4073		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4077		ECQB1H182JF	P.CAPACITOR 50V 1800P	1	
C4078		ECEA50M1	E.CAPACITOR 50V 1U	1	
C4079		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4080		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C4081		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4082		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4083		ECUM1H331KBN	C.CAPACITOR CH 50V 330P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4084		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4085		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C4086		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4087		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C4088		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4089		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4090		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C4091		ECQF6182KZ	P.CAPACITOR 630V 1800P	1	
C4092,93		ECCD2H151J	C.CAPACITOR 500V 150P	2	
C4094,95		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	2	
C4096,97		ECQB1H153JF	P.CAPACITOR 50V 0.015U	2	
D4001		MA4056M	DIODE	1	<R>
D4002		MA151WA	DIODE	1	<R>
D4003		MA151K	DIODE	1	<R>
D4004		MA151WA	DIODE	1	<R>
D4006		MA151WA	DIODE	1	<R>
D4007		MA151K	DIODE	1	<R>
D4008,09		MA3030	DIODE	2	<R>
D4010		MA151WK	DIODE	1	<R>
D4011,12		MA165TA	DIODE	2	<R>
D4013		MA151K	DIODE	1	<R>
D4014		MA151WA	DIODE	1	<R>
D4015		MA151WK	DIODE	1	<R>
D4016,17		MA151K	DIODE	2	<R>
FL4001,02		VLF0402	FILTER	2	
IC4001,02		LA7296	IC	2	<R>
IC4003		CXA1101P	IC	1	<R>
IC4004		RC4558M	IC	1	<R>
IC4005		AN6912S	IC	1	<R>
L4001		VLQEL07F153J	COIL 15MH	1	
L4002		VLQ24F102K25	COIL	1	
L4004		VLQEL07F153J	COIL 15MH	1	
P4001		VJP3176B064	CONNECTOR(MALE)	1	
P4002		VJP1230R	CONNECTOR(MALE) 3P	1	
P4003		VJP1230T	CONNECTOR(MALE) 3P	1	
P4004		VJP1231T	CONNECTOR(MALE) 4P	1	
Q4001		2SD639	TRANSISTOR	1	(Q,R,S)<R>
Q4002		MSB710-R	TRANSISTOR	1	<R>
Q4003		2SD1328-R	TRANSISTOR CHIP	1	(R,S)<R>
Q4004		MSD601-R	TRANSISTOR	1	<R>
Q4005		2SD1328-R	TRANSISTOR CHIP	1	(R,S)<R>
Q4006		MSD601-R	TRANSISTOR	1	<R>
Q4007		2SD1328-R	TRANSISTOR CHIP	1	(R,S)<R>
Q4008		2SB643	TRANSISTOR	1	<R>
Q4009		2SD973A-R	TRANSISTOR	1	<R>
Q4010-17		2SD814	TRANSISTOR	8	(Q,R,S)<R>
Q4018,19		2SB779-R	TRANSISTOR	2	(R,S)<R>
Q4020		MSD602-R	TRANSISTOR	1	<R>
Q4021		MSD601-R	TRANSISTOR	1	<R>
Q4022,23		2SB792	TRANSISTOR	2	(Q,R,S)<R>
Q4024		MSD601-R	TRANSISTOR	1	<R>
Q4025,26		2SB792	TRANSISTOR	2	(Q,R,S)<R>
Q4027,28		MSD601-R	TRANSISTOR	2	<R>
Q4029		2SD1328-R	TRANSISTOR CHIP	1	(R,S)<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR4001,02		MRN2404	TRANSISTOR	2	<R>
QR4003		MRN1402	TRANSISTOR	1	<R>
QR4004		MRN2404	TRANSISTOR	1	<R>
QR4005		MRN1402	TRANSISTOR	1	<R>
QR4006		MRN2404	TRANSISTOR	1	<R>
QR4007,08		MRN1404	TRANSISTOR	2	<R>
QR4009		MRN1402	TRANSISTOR	1	<R>
QR4010		MRN1404	TRANSISTOR	1	<R>
QR4011		MRN2404	TRANSISTOR	1	<R>
QR4012,13		MRN1404	TRANSISTOR	2	<R>
QR4014		MRN2404	TRANSISTOR	1	<R>
QR4015		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4016		MRN1402	TRANSISTOR	1	<R>
QR4017		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4020		MRN1404	TRANSISTOR	1	<R>
QR4021		UN2115	COMBINATION PARTS	1	<R>
QR4022-24		MRN1404	TRANSISTOR	3	<R>
QR4025		UN2115	COMBINATION PARTS	1	<R>
QR4026,27		MRN1404	TRANSISTOR	2	<R>
QR4028		MRN2404	TRANSISTOR	1	<R>
QR4029		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4030,31		MRN1404	TRANSISTOR	2	<R>
QR4033		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4034		MRN2404	TRANSISTOR	1	<R>
QR4035		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4038		MRN1404	TRANSISTOR	1	<R>
QR4039		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4040,41		MRN1404	TRANSISTOR	2	<R>
QR4042		MRN1402	TRANSISTOR	1	<R>
QR4043		MRN1404	TRANSISTOR	1	<R>
QR4044,45		MRN2404	TRANSISTOR	2	<R>
QR4046		MRN1403	TRANSISTOR	1	<R>
QR4047-50		MRN1404	TRANSISTOR	4	<R>
R4001		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R4002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4003,04		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R4005		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4006		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4007,08		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4009		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4010		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R4011		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4012		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4013-15		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R4016		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4017		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4018		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R4019		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4020		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4021-23		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R4024		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4025		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4026		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R4027		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4028		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4029		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4031		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	1	
R4032		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4033		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4034,35		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R4036		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	1	
R4037		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4038,39		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	2	
R4040		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4041		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R4042		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4043		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4044		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4045		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4046		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R4047		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4048		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4049		ERDS2TJ4R7	C.RESISTOR 1/4W 4.7	1	
R4050		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4051		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R4052		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4053		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4054		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R4055		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4056		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4057		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4058		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4059		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4060		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4061		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4062		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4063		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4064		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4065		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4066		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R4068		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4069		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4070		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R4074		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R4075		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4076		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R4077		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4078		ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4079		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4080		VRE0034E123	M.RESISTOR CH 1/10W 12K	1	
R4081~83		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	3	
R4084		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4085		VRE0034E123	M.RESISTOR CH 1/10W 12K	1	
R4086		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4087		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4088		ERJ6GEYJ181	M.RESISTOR CH 1/10W 180	1	
R4090		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4091		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4095		ERJ6GEYJ683	M.RESISTOR CH 1/10W 6.8K	1	
R4096		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R4097		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4098		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4099		ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4100		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4101		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R4102,03		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R4104		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4105		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4106		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4107		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4108		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4109		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4110		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R4111		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4112		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4113		VRE0034E433	M.RESISTOR CH 1/10W 43K	1	
R4114		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4115		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4116		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4117		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4118		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4119		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4120		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4121		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4122		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R4123		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4126		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4127		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R4128		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4129		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4130		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R4131		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4132		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4133		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4134		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4135		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4136		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4137		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R4138-48		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	11	
R4150,51		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4152		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4153-58		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	6	
R4159		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
RY4001-03		VSY2067	RELAY	3	
T4001		VLT0538	TRANSFORMER	1	
VR4001		EVN32CA00B53	V.RESISTOR 5K	1	
VR4002		EVN32CA00B15	V.RESISTOR 100K	1	
VR4003		EVN32CA00B25	V.RESISTOR 200K	1	
VR4004		EVN32CA00B15	V.RESISTOR 100K	1	
VR4005		EVN32CA00B14	V.RESISTOR 10K	1	
VR4006		EVN32CA00B24	VARIABLE 20K	1	
VR4007		EVN32CA00B14	V.RESISTOR 10K	1	
VR4008		EVN32CA00B24	VARIABLE 20K	1	
VR4009		EVN32CA00B25	V.RESISTOR 200K	1	
VR4010,11		EVN32CA00B14	V.RESISTOR 10K	2	
			MISCELLANEOUS		
E44		VSC3424	SHIELD	1	
E45		VSC3425	SHIELD	1	
E46		VSC3426	SHIELD	1	
	■	VEP04326D	P.C.BOARD W/COMPONENT		AG-7150-E/B
			AUDIO (1)		
C4001		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4002		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C4003		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C4004		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4007		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4008		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4009		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4010		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4014		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4015		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4019		ECQB1H182JF	P.CAPACITOR 50V 1800P	1	
C4020		ECEA50M1	E.CAPACITOR 50V 1U	1	
C4021		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4022		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C4023		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4025		ECUM1H331KBN	C.CAPACITOR CH 50V 330P	1	
C4026		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4027		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4029		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4030		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4031		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C4032		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4033		ECEA50ZR68	E.CAPACITOR 50V 0.68U	1	
C4037		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C4039		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4040		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4041		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4042		ECEA0JU221	E.CAPACITOR 6.3V 220U	1	
C4043		ECEA1CU100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4044		ECEA50ZR68	E.CAPACITOR 50V 0.68U	1	
C4048		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C4049		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C4051		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4053		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4055		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4056		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4057-62		ECEA1CU100	E.CAPACITOR 16V 10U	6	
C4063		ECQB1H272JF	P.CAPACITOR 50V 2700P	1	
C4064		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C4065		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4066		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4067		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4068		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4072		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4073		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4077		ECQB1H182JF	P.CAPACITOR 50V 1800P	1	
C4078		ECEA50M1	E.CAPACITOR 50V 1U	1	
C4079		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4080		ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C4081		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4083		ECUM1H331KBN	C.CAPACITOR CH 50V 330P	1	
C4084		ECEA1HU010	E.CAPACITOR 50V 1U	1	
D4001		MA4056M	DIODE	1	<R>
D4002		MA151WA	DIODE	1	<R>
D4003		MA151K	DIODE	1	<R>
D4004		MA151WA	DIODE	1	<R>
D4007		MA151K	DIODE	1	<R>
D4008,09		MA3030	DIODE	2	<R>
D4010		MA151WK	DIODE	1	<R>
D4013		MA151K	DIODE	1	<R>
D4014		MA151WA	DIODE	1	<R>
FL4001,02		VLF0402	FILTER	2	
IC4001,02		LA7296	IC	2	<R>
IC4003		CXA1101P	IC	1	<R>
IC4004		RC4558M	IC	1	<R>
IC4005		AN6912S	IC	1	<R>
P4001		VJP3176B064	CONNECTOR(MALE)	1	
P4002		VJP1230R	CONNECTOR(MALE) 3P	1	
P4003		VJP1230T	CONNECTOR(MALE) 3P	1	
Q4001		2SD639	TRANSISTOR	1	(Q,R,S)<R>
Q4002		MSB710-R	TRANSISTOR	1	<R>
Q4004		MSD601-R	TRANSISTOR	1	<R>
Q4005		2SD1328-R	TRANSISTOR CHIP	1	(R,S)<R>
Q4006		MSD601-R	TRANSISTOR	1	<R>
Q4018,19		2SB779-R	TRANSISTOR	2	(R,S)<R>
Q4020		MSD602-R	TRANSISTOR	1	<R>
QR4003		MRN1402	TRANSISTOR	1	<R>
QR4005		MRN1402	TRANSISTOR	1	<R>
QR4007,08		MRN1404	TRANSISTOR	2	<R>
QR4009		MRN1402	TRANSISTOR	1	<R>
QR4010		MRN1404	TRANSISTOR	1	<R>
QR4011		MRN2404	TRANSISTOR	1	<R>
QR4012		MRN1404	TRANSISTOR	1	<R>
QR4014		MRN2404	TRANSISTOR	1	<R>
QR4017		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4020		MRN1404	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR4021		UN2115	COMBINATION PARTS	1	<R>
QR4023,24		MRN1404	TRANSISTOR	2	<R>
QR4025		UN2115	COMBINATION PARTS	1	<R>
QR4027		MRN1404	TRANSISTOR	1	<R>
QR4028		MRN2404	TRANSISTOR	1	<R>
QR4029		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4034		MRN2404	TRANSISTOR	1	<R>
QR4035		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR4038		MRN1404	TRANSISTOR	1	<R>
R4001		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R4002		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4003,04		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	2	
R4005		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4006		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4008		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4009		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R4010		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R4011		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4012		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4013-15		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R4016		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4017		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4018		ERJ6GEYJ154	M.RESISTOR CH 1/10W 150K	1	
R4019		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4030		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4031		ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	1	
R4032		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4033		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4034,35		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R4036		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4037		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4039		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4040		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R4041		ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R4042		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4043		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4044		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4045		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4068		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4074		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R4075		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4076		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R4078		ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4081-83		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	3	
R4084		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4090		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4095		ERJ6GEYJ683	M.RESISTOR CH 1/10W 68K	1	
R4096		ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R4097		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4099		ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4102,03		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	
R4104		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4105		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R4106		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4108		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4109		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4110		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R4111		ERDS2TJ2R2	C.RESISTOR 1/4W 2.2	1	
R4112		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4113		VRE0034E433	M.RESISTOR CH 1/10W 43K	1	
R4114		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4123		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4126		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4127		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R4129		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4157		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4160		ERJ6GEYJ222	M.RESISTOR 1/10W 2.2K	1	
RY4003		VSY2067	RELAY	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR4005		EVN32CA00B14	V.RESISTOR 10K	1	
VR4006		EVN32CA00B24	VARIABLE 20K	1	
VR4007		EVN32CA00B14	V.RESISTOR 10K	1	
VR4008		EVN32CA00B24	VARIABLE 20K	1	
	■	VEP04327C	P.C.BOARD W/COMPONENT		
			AUDIO (2)		
C4501		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4502		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4503-05		ECEA1CPZ100	E.CAPACITOR 16V 10U	3	
C4506		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4507,08		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4509,10		ECEA1CU470	E.CAPACITOR 16V 47U	2	
C4511		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4512		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C4513		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4514		ECEA1CU330	E.CAPACITOR 16V 33U	1	
C4515		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4516		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C4517,18		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4519		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4520		ECEA1CN100S	E.CAPACITOR 16V 10U	1	
C4521,22		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4523		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4524		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4525		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C4526		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C4527,28		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4529,30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4531		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4532		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4533		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4534		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4535		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4536,37		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C4538		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4539		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4540		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4541		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4542,43		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4545		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4546		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4547		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4548		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4549		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4550		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4551		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4552		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4553		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4554,55		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4556		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4557		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4558,59		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	2	
C4560,61		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C4562		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C4563		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C4564,65		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4566		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4701,02		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	2	
C4703		ECQB1H102JF	P.CAPACITOR 50V 1000P	1	
C4704		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C4705		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4706		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4707		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4708		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4709		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4710		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4711		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4712-14		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C4715		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4716		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4717		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C4718		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4719,20		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4721		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4722		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C4723		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4724		ECEA0JU330	E.CAPACITOR 6.3V 33U	1	
C4725		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C4726,27		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4729		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4730		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4731		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4732		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4733		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4734-36		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C4737		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4738		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4739		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4740		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4741		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4742		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4743		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4744		ECEA1HPZ010	E.CAPACITOR 50V 1U	1	
C4745		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C4746,47		ECEA1EBZ4R7	E.CAPACITOR 25V 4.7U	2	
C4748		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4749,50		ECEA1APZ101	E.CAPACITOR 10V 100U	2	
C4751		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4752		ECEA1CPZ220	E.CAPACITOR 16V 22U	1	
C4755,56		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4758		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4759		ECQB1H102JF	P.CAPACITOR 50V 1000P	1	
C4760		ECEA1HPZ010	E.CAPACITOR 50V 1U	1	
C4761		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4762		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4763		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4764		ECEA1AU470	E.CAPACITOR 10V 47U	1	
C4765		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C4766,67		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
D4503		MA153	DIODE	1	<R>
D4504		MA3043	DIODE	1	<R>
D4505,06		OA90	DIODE	2	<R>
D4507		MA3043	DIODE	1	<R>
D4508,09		OA90	DIODE	2	<R>
D4511,12		MA700	DIODE	2	<R>
FL4701		VLF0826	FILTER	1	
FL4702		VLF0825	FILTER	1	
IC4501,02		RC4558M	IC	2	<R>
IC4503,04		MC14052BF	IC	2	<R>
IC4505		M51132L	IC	1	<R>
IC4506		RC4558M	IC	1	<R>
IC4507		MC14053BF	IC	1	<R>
IC4508-10		RC4558M	IC	3	<R>
IC4511		MC14053BF	IC	1	<R>
IC4512		MC14066BF	IC	1	<R>
IC4513		NJM4556D	IC	1	<R>
IC4514		RC4558M	IC	1	<R>
IC4701		BA7705K1	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC4702		UPC78N05H	IC	1	<R>
IC4703		AN3912	IC	1	<R>
L4501-04		VLQEL05S101J	COIL 100UH	4	
L4703-05		VLQEL05S101J	COIL 100UH	3	
P4501		VJP3176B064	CONNECTOR(MALE)	1	
P4701		VJP1238T	CONNECTOR(MALE) 11P	1	
Q4501		MSB709-R	TRANSISTOR	1	<R>
Q4502-08		2SD1328-R	TRANSISTOR CHIP	7	(R,S)<R>
Q4509		MSD601-R	TRANSISTOR	1	<R>
Q4510,11		2SD1328-R	TRANSISTOR CHIP	2	(R,S)<R>
Q4701,02		2SD1328-R	TRANSISTOR CHIP	2	(R,S)<R>
Q4703		2SD636-R	TRANSISTOR	1	(R,S)<R>
Q4704,05		MSD601-R	TRANSISTOR	2	<R>
Q4706		XN1501	TRANSISTOR-TRANSISTOR	1	<R>
Q4707		2SB790	TRANSISTOR	1	<R>
QR4501-03		MRN1404	TRANSISTOR	3	<R>
QR4504		MRN1403	TRANSISTOR	1	<R>
QR4505		MRN1404	TRANSISTOR	1	<R>
QR4701		MRN2404	TRANSISTOR	1	<R>
QR4702		MRN1402	TRANSISTOR	1	<R>
QR4703		MRN1404	TRANSISTOR	1	<R>
QR4706		MRN2404	TRANSISTOR	1	<R>
QR4707,08		MRN1404	TRANSISTOR	2	<R>
QR4709,10		MRN2404	TRANSISTOR	2	<R>
QR4711,12		MRN1404	TRANSISTOR	2	<R>
QR4713		MRN2404	TRANSISTOR	1	<R>
QR4714		MRN1404	TRANSISTOR	1	<R>
QR4715		MRN1403	TRANSISTOR	1	<R>
R4501		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4502		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4503		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4504		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4505		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4506		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4507		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4508		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4509		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4510		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R4511		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R4512-14		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	3	
R4515,16		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4517-20		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	4	
R4521-24		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R4525,26		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R4527,28		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4529		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4530		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4531		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4532		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4533		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4534		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4535		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4536		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4537-40		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	4	
R4541,42		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R4543-46		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	4	
R4547,48		ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	2	
R4549,50		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4551		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4552		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4553		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4554		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4555		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4556		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4557		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4558		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4559,60		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4561		ERJ6GEYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4562		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4563,64		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4565		ERJ6GEYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4566		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4567		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4568		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4569		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4570		ERJ6GEYJ682	M.RESISTOR CH 1/10W 6.8K	1	
R4571		ERJ6GEYJ183	M.RESISTOR CH 1/10W 18K	1	
R4572		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R4573-80		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	8	
R4581		ERJ6GEYJ121	M.RESISTOR CH 1/10W 120	1	
R4701		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4702		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4703		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4704		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4705		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4706		ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R4707		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4708		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4709		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4710,11		VRE0034E223	M.RESISTOR CH 1/10W 22K	2	
R4712		VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R4713		VRE0034E163	M.RESISTOR CH 1/10W 16K	1	
R4714		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R4715		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4716,17		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R4718		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4719		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4720		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4721		ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R4722		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4723		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4724		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4725,26		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	2	
R4727		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4728		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4731,32		ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R4733,34		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R4735,36		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R4738		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R4742		ERJ6GEYJ822	M.RESISTOR CH 1/10W 8.2K	1	
R4744		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R4745		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R4746		ERJ6GEYG512	M.RESISTOR CH 1/10W 5.1K	1	
R4747		ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4748		ERJ6GEYG512	M.RESISTOR CH 1/10W 5.1K	1	
R4749		ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4750		ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R4751		ERJ6GEYG113	M.RESISTOR CH 1/10W 11K	1	
R4752		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4754		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	
R4755		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4757		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4758,59		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R4760		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4761		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R4762		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	
R4764,65		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	2	
R4766		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4767		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	1	
R4768		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4769		ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R4770,71		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R4772,73		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4825		ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR4501,02		EVN32CA00B13	V.RESISTOR 1K	2	
VR4503,04		EVN32CA00B53	V.RESISTOR 5K	2	
VR4701,02		EVN32CA00B13	V.RESISTOR 1K	2	
VR4703		EVMF6SA00B14	V.RESISTOR 10K	1	
VR4704		EVN32CA00B24	VARIABLE 20K	1	
VR4705		EVMF6SA00B25	V.RESISTOR 200K	1	
VR4706		EVN32CA00B14	V.RESISTOR 10K	1	
VR4707		EVN32CA00B54	V.RESISTOR 50K	1	
VR4708		EVN32CA00B25	V.RESISTOR 200K	1	
VR4709		EVN32CA00B24	VARIABLE 20K	1	
VR4710		EVMF6SA00B25	V.RESISTOR 200K	1	
VR4711		EVMF6SA00B53	V.RESISTOR 5K	1	
VR4712		EVN32CA00B24	VARIABLE 20K	1	
	■	VEP04327D	P.C.BOARD W/COMPONENT		
			AUDIO (2)		
C4525		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C4526		ECEA1CU220	E.CAPACITOR 16V 22U	1	
C4527,28		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4529,30		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4531		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4532		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4534		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4535		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4536,37		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C4538		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4539		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4540		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4541		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4542,43		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4544		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4545		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4546		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4547		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4548		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4549		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4550		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4551		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4552		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C4553		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4554,55		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C4556		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4565		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4566		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4701,02		ECEA1HPZ3R3	E.CAPACITOR 50V 3.3U	2	
C4703		ECQB1H102JF	P.CAPACITOR 50V 1000P	1	
C4704		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C4705		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4706		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4707		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4708		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4709		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4710		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4711		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4712-14		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C4715		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4716		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4717		ECEA1CU471	E.CAPACITOR 16V 470U	1	
C4718		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4719,20		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4721		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C4722		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C4723		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4724		ECEA0JU330	E.CAPACITOR 6.3V 33U	1	
C4725		ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C4726,27		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C4728		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4729		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4730		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4731		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4732		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C4733		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4734-36		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C4737		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C4738		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C4739		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4740		ECEA1HPZ4R7	E.CAPACITOR 50V 4.7U	1	
C4741		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4742		ECEA1CPZ100	E.CAPACITOR 16V 10U	1	
C4743		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C4745		ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C4748		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4750		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4751		ECEA1CPZ470	E.CAPACITOR 16V 47U	1	
C4752		ECEA1CPZ220	E.CAPACITOR 16V 22U	1	
C4755,56		ECEA1CPZ100	E.CAPACITOR 16V 10U	2	
C4758		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4759		ECQB1H102JF	P.CAPACITOR 50V 1000P	1	
C4761		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C4762		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C4763		ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C4764		ECEA1AU470	E.CAPACITOR 10V 47U	1	
C4765		ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C4766		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D4503		MA153	DIODE	1	<R>
FL4701		VLF0826	FILTER	1	
FL4702		VLF0825	FILTER	1	
IC4506		RC4558M	IC	1	<R>
IC4507		MC14053BF	IC	1	<R>
IC4508-10		RC4558M	IC	3	<R>
IC4511		MC14053BF	IC	1	<R>
IC4512		MC14066BF	IC	1	<R>
IC4513		NJM4556D	IC	1	<R>
IC4701		BA7705K1	IC	1	<R>
IC4702		UPC78N05	IC	1	<R>
IC4703		AN3912	IC	1	<R>
L4501,02		VLQEL05S101J	COIL 100UH	2	
L4703-05		VLQEL05S101J	COIL 100UH	3	
P4501		VJP3176B064	CONNECTOR(MALE)	1	
P4701		VJP1238T	CONNECTOR(MALE) 11P	1	
Q4501		MSB709-R	TRANSISTOR	1	<R>
Q4502-08		2SD1328-R	TRANSISTOR CHIP	7	(R,S)<R>
Q4701,02		2SD1328-R	TRANSISTOR CHIP	2	(R,S)<R>
Q4704		MSD601-R	TRANSISTOR	1	<R>
QR4504		MRN1403	TRANSISTOR	1	<R>
QR4701		MRN2404	TRANSISTOR	1	<R>
QR4706		MRN2404	TRANSISTOR	1	<R>
QR4707,08		MRN1404	TRANSISTOR	2	<R>
QR4709,10		MRN2404	TRANSISTOR	2	<R>
QR4712		MRN1404	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR4713		MRN2404	TRANSISTOR	1	<R>
QR4714		MRN1404	TRANSISTOR	1	<R>
R4529		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4530		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4531		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4532		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4533		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4534		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4535		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4536		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4537-40		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	4	
R4541,42		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R4543-46		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	4	
R4547,48		ERJ6GEYG682	M.REISITOR CH 1/10W 6.8K	2	
R4549,50		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4551		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4552		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4553		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4554		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4555		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4556		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4557		ERJ6GEYJ563	M.RESISTOR CH 1/10W 56K	1	
R4558		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4559,60		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4561		ERJ6GEYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4562		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4563,64		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R4565		ERJ6GEYG822	M.RESISTOR CH 1/10W 8.2K	1	
R4566		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4567		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4568		ERJ6GEYJ470	M.RESISTOR CH 1/10W 47	1	
R4569		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4573-75		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	3	
R4701		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4702		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4703		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4704		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4705		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4706		ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R4707		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4708		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4709		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4710,11		VRE0034E223	M.RESISTOR CH 1/10W 22K	2	
R4712		VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R4713		VRE0034E163	M.RESISTOR CH 1/10W 16K	1	
R4714		ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	
R4715		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4716,17		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R4718		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R4719		ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4720		ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4721		ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	1	
R4722		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R4723		VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R4724		ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R4725,26		ERJ6GEYG821	M.RESISTOR CH 1/10W 820	2	
R4727		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R4730		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4731,32		ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R4733,34		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R4735,36		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	
R4737		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4738		ERJ6GEYJ681	M.RESISTOR CH 1/10W 680	1	
R4750		ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R4751		ERJ6GEYG113	M.RESISTOR CH 1/10W 11K	1	
R4752		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4755		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R4757		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4758,59		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R4760		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4761		ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	
R4762		ERJ6GEYJ392	M.RESISTOR CH 1/10W 3.9K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4768		ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4769		ERJ6GEYG303	M.RESISTOR CH 1/10W 30K	1	
R4772,73		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
VR4703		EVMF6SA00B14	V.RESISTOR 10K	1	
VR4704		EVN32CA00B24	VARIABLE 20K	1	
VR4705		EVMF6SA00B25	V.RESISTOR 200K	1	
VR4707		EVN32CA00B54	V.RESISTOR 50K	1	
VR4708		EVN32CA00B25	V.RESISTOR 200K	1	
VR4710		ECMF6SA00B25	V.RESISTOR	1	
VR4711		EVMF6SA00B53	V.RESISTOR 5K	1	
VR4712		EVN32CA00B24	VARIABLE 20K	1	
	■	VEP05162C	P.C.BOARD W/COMPONENT		AG-7350-E/B
			HEAD AMP		
C5001		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5002,03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5004		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5005		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5006-08		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C5009		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C5010		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5011		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C5012		ECUM1H473ZFN	C.CAPACITOR CH 50V 0.047U	1	
C5013		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5014		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5015		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5016		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5017		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C5018,19		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	2	
C5020		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5021		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C5022		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5023		ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C5024,25		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5026		ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C5027		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5028		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5029		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5030		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5031		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C5032,33		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5034		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5035		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5036		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5037,38		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C5039,40		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5042		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5043		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5044,45		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C5046		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5047		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5048		ECUM1H472ZFN	C.CAPACITOR CH 50V 4700P	1	
C5056,57		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5058		VCYE1C104MR1	S.CAPACITOR 16V 0.1U	1	
C5059		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5060		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C5061		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5062		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5063		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C5066		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
D5001,02		MA151K	DIODE	2	<R>
D5004		MA151K	DIODE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC5001		AN3334K	IC	1	<R>
IC5002		BA7740FS	IC	1	<R>
IC5003		AN3370K	IC	1	<R>
L5001-04		VLQ0460	COIL	4	
L5007		VLQ0460	COIL	1	
L5008		VLQ0188J5R6	COIL	1	
P5001		VJP1251T	CONNECTOR(MALE) 11P	1	
P5002		VJS2603	CONNECTOR(FEMALE) 12P	1	
P5003		VJP1251T	CONNECTOR(MALE) 11P	1	
Q5001		MSB709-R	TRANSISTOR	1	<R>
Q5002		MSC2295-B	TRANSISTOR	1	<R>
Q5003		XN4504	TRANSISTOR	1	<R>
Q5004,05		MSC2295-B	TRANSISTOR	2	<R>
QR5001		MRN1404	TRANSISTOR	1	<R>
R5001		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R5002		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R5003		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5004		ERJ6GEYJ101V	M.RESISTOR CH 1/10W 100	1	
R5005		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5006		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5007		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5009		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R5010		ERJ6GEYK1R0	M.RESISTOR CH 1/10W 1	1	
R5011-14		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	4	
R5015-18		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	4	
R5019		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5020,21		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	
R5022		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5026		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5027		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R5028		ERJ6GEYG243	M.RESISTOR CH 1/10W 24K	1	
R5029		ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R5030		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R5031		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R5032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R5033		ERJ6GEYJ273	M.RESISTOR CH 1/10W 27K	1	
R5034		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R5036		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5037,38		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R5039		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5040		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R5041		ERJ6GEYJ180	M.RESISTOR CH 1/10W 18	1	
R5042,43		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R5044,45		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R5046,47		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R5056		VRE0034E182	M.RESISTOR CH 1/10W 1.8K	1	
R5057		VRE0034E332	M.RESISTOR CH 1/10W 3.3K	1	
R5058		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5059		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
VR5001,02		EVN32CA00B23	V.RESISTOR 2K	2	
			MISCELLANEOUS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E49		VSC3119	SHIELD (MAIN)	1	
E50		VSC3039	SHIELD (TOP)	1	
E51		VSC3040	SHIELD (BOTTOM)	1	
E52		VJF0215	BAIND	1	
	■	VEP05162D	P.C.BOARD W/COMPONENT		
			HEAD AMP		
C5001		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5002,03		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5004		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5005		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5006		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5010		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5013		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5014		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5015		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5016		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5017		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C5018,19		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	2	
C5020		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5021		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C5022		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5023		ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C5024,25		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5026		ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C5027		ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5028		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5029		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5032,33		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5034		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5035		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5036		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5037		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C5039		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5042		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5043		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5044,45		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C5046		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5047		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5048		ECUM1H4722FN	C.CAPACITOR CH 50V 4700P	1	
C5066		ECUM1C224ZFN	C.CAPACITOR CH 16V 0.22U	1	
D5001,02		MA151K	DIODE	2	<R>
IC5001		AN3334K	IC	1	<R>
IC5002		BA7740FS	IC	1	<R>
L5001		VLQ0460	COIL	1	
L5003		VLQ0460	COIL	1	
P5001		VJP1251T	CONNECTOR(MALE) 11P	1	
P5002		VJS2603	CONNECTOR(FEMALE) 12P	1	
P5003		VJP1251T	CONNECTOR(MALE) 11P	1	
Q5001		MSB709-R	TRANSISTOR	1	<R>
Q5003		XN4504	TRANSISTOR	1	<R>
Q5005		MSC2295-B	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
QR5001		MRN1404	TRANSISTOR	1	<R>
R5001		ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	
R5002		ERJ6GEYJ474	M.RESISTOR CH 1/10W 470K	1	
R5003		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R5004		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R5005		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R5006		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5007		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R5010		ERJ6GEYK1RO	M.RESISTOR CH 1/10W 1	1	
R5011-14		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	4	
R5015-18		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	4	
R5019		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R5022		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	
R5026		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5027		ERJ6GEYJ333	M.RESISTOR CH 1/10W 33K	1	
R5028		ERJ6GEYG243	M.RESISTOR CH 1/10W 24K	1	
R5029		ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R5030		ERJ6GEYJ391	M.RESISTOR CH 1/10W 390	1	
R5031		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	1	
R5032		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R5034		ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	1	
R5036		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5037,38		ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	2	
R5039		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R5041-43		ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	3	
R5044,45		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	
R5046,47		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R5059		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
			MISCELLANEOUS		
E49		VSC3119	SHIELD (MAIN)	1	
E50		VSC3039	SHIELD (TOP)	1	
E51		VSC3040	SHIELD (BOTTOM)	1	
E52		VJF0215	BAIND	1	
	■	VEP06749C	P.C.BOARD W/COMPONENT		AG-7350-E/B
			FRONT		
C6201		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C6202		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C6203		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6204		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C6205		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6206		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C6207		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C6208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6209		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C6210		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
C6211		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6212		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6213,14		ECEA0JKS101	E.CAPACITOR 6.3V 100U	2	
C6215		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6216		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6217		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
D6201-05		LN440YCPUVT	DIODE	5	<R>
D6206		MA151K	DIODE	1	<R>
D6207,08		LN31GCPHLG4	DIODE	2	<R>
D6209,10		LN440YCPUVT	DIODE	2	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D6211		LN840RCP	DIODE	1	<R>
D6212-35		MA151K	DIODE	24	<R>
D6236,37		MA165TA5VT	DIODE	2	<R>
D6238		MA4051L	DIODE	1	<R>
D6239-41		MA151K	DIODE	3	<R>
D6243		MA151K	DIODE	1	<R>
D6244		LN440YCPUVT	DIODE	1	<R>
D6245-47		MA151K	DIODE	3	<R>
D6248		MA700A	DIODE	1	<R>
D6249		MA4300M	DIODE	1	<R>
DP6201		VSL0254	DISPLAY TUBE	1	
IC6201		MN15283VSTL3	IC	1	<R>
IC6202		MN1220	IC	1	<R>
IC6203		MN1280R	IC	1	<R>
IC6204		MN1280L	IC	1	<R>
IC6205		AN78M05F	IC	1	<R>
L6201		VLQEL05K101J	COIL 100UH	1	
P6201-04		VJP3152	CONNECTOR(MALE) 10P	4	
P6205		VJP1237T	CONNECTOR(MALE) 10P	1	
P6206		VJP1231T	CONNECTOR(MALE) 4P	1	
P6207		VJP1236T	CONNECTOR(MALE) 9P	1	
P6208		VJP1247T	CONNECTOR(MALE) 7P	1	
P6209		VJP1394T	CONNECTOR(MALE) 13P	1	
Q6201-04		2SB643	TRANSISTOR	4	<R>
Q6205-09		2SD636	TRANSISTOR	5	<R>
Q6210		2SB642	TRANSISTOR	1	<R>
QR6201-05		MRN1404	TRANSISTOR	5	<R>
QR6206		UN1112	TRANSISTOR-RESISTOR	1	<R>
QR6207		MRN1404	TRANSISTOR	1	<R>
R6201-05		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6206		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6207-11		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6212-15		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R6216-19		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	4	
R6220-23		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R6224		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R6225		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6226-33		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	8	
R6234		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6235		ERJ6GEYJ332	C.RESISTOR 1/4W 3.3K	1	
R6236		ERJ6GEYJ103	C.RESISTOR 1/4W 10K	1	
R6237		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R6238		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6239		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6240,41		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R6242		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R6243		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R6244		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6245		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6246		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6247,48		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6249		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6250		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6251		ERJ6GEYJ103V	M.RESISTOR CH 1/10W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
RA6201-04		EXBF5E103J	COMBI.R-R 10K	4	
RA6205		EXBF5E473J	RESISTOR-RESISTOR	1	
SW6201-17		EVQQJ104K	SWITCH	17	<R>
SW6218,19		VSS0324	SWITCH	2	<R>
SW6220		VSS0225	SWITCH	1	<R>
SW6221		VSS0152	SWITCH	1	<R>
SW6222		VSS0225	SWITCH	1	<R>
SW6223		VSS0324	SWITCH	1	<R>
SW6224,25		VSS0225	SWITCH	2	<R>
SW6226		VSS0324	SWITCH	1	<R>
SW6227		VSS0225	SWITCH	1	<R>
X6201		VSX0094	CRYSTAL OSCILLATOR	1	<R>
X6202		VSX0140	CRYSTAL OSCILLATOR	1	<R>
	■	VEP06749D	P.C.BOARD W/COMPONENT		AG-7150-E/B
			FRONT		
C6201		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C6202		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C6203		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6204		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C6205		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6206		ECUM1H080DCN	C.CAPACITOR CH 50V 80P	1	
C6207		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C6208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6209		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C6210		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
C6211		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6212		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6213,14		ECEA0JKS101	E.CAPACITOR 6.3V 100U	2	
C6215		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6216		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6217		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
D6201-05		LN440YCPUVT	DIODE	5	<R>
D6206		MA151K	DIODE	1	<R>
D6207,08		LN31GCPHLG4	DIODE	2	<R>
D6209		LN440YCPUVT	DIODE	1	<R>
D6212-16		MA151K	DIODE	5	<R>
D6218-22		MA151K	DIODE	5	<R>
D6224-35		MA151K	DIODE	12	<R>
D6236,37		MA165TA5VT	DIODE	2	<R>
D6238		MA4051-L	DIODE	1	<R>
D6239-41		MA151K	DIODE	3	<R>
D6244		LN440YCPUVT	DIODE	1	<R>
D6245-47		MA151K	DIODE	3	<R>
D6248		MA700A	DIODE	1	<R>
D6249		MA4300M	DIODE	1	<R>
DP6201		VSL0254	DISPLAY TUBE	1	
IC6201		MN15283VSTL3	IC	1	<R>
IC6202		MN1220	IC	1	<R>
IC6203		MN1280R	IC	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
IC6204		MN1280L	IC	1	<R>
IC6205		AN78M05F	IC	1	<R>
J6203,04		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L6201		VLQEL05K101J	COIL 100UH	1	
P6201-04		VJP3152	CONNECTOR(MALE)	4	
P6205		VJP1237T	CONNECTOR(MALE) 10P	1	
P6206		VJP1231T	CONNECTOR(MALE) 4P	1	
P6207		VJP1236T	CONNECTOR(MALE) 9P	1	
P6208		VJP1247T	CONNECTOR(MALE) 7P	1	
Q6201-04		2SB643	TRANSISTOR	4	<R>
Q6205-09		2SD636	TRANSISTOR	5	<R>
Q6210		2SB642	TRANSISTOR	1	<R>
QR6201-05		MRN1404	TRANSISTOR	5	<R>
QR6206		UN1112	TRANSISTOR-RESISTOR	1	<R>
QR6207		MRN1404	TRANSISTOR	1	<R>
R6201-05		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6206		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6207-09		ERDS2TJ470	C.RESISTOR 1/4W 47	3	
R6212-15		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	4	
R6216-19		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	4	
R6220-23		ERJ6GEYJ332V	M.RESISTOR CH 1/10W 3.3K	4	
R6224		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	1	
R6225		ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	
R6226-33		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	8	
R6234		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6235		ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	
R6236		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R6237		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R6238		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6239		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6240,41		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	2	
R6242		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R6243		ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	
R6245		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6246		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6247,48		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	2	
R6249		ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	
R6250		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R6251		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
RA6201-04		EXBF5E103J	COMBI.R-R 10K	4	
RA6205		EXBF5E473J	RESISTOR-RESISTOR	1	
SW6201		EVQQJ104K	SWITCH	1	<R>
SW6203-07		EVQQJ104K	SWITCH	5	<R>
SW6209-17		EVQQJ104K	SWITCH	9	<R>
SW6218		VSS0225	SWITCH	1	<R>
SW6220		VSS0225	SWITCH	1	<R>
SW6221		VSS0152	SWITCH	1	<R>
SW6222		VSS0225	SWITCH	1	<R>
SW6223		VSS0324	SWITCH	1	<R>
SW6224		VSS0225	SWITCH	1	<R>
SW6226		VSS0225	SWITCH	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
X6201		VSX0094	CRYSTAL OSCILLATOR	1	<R>
X6202		VSX0140	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E48		VMX2062	LED SPACER	2	
E53		VJF0960	DISPLAY TUBE HOLDER	1	
	■	VEP04328A	P.C.BOARD W/COMPONENT		
			AUDIO METER		
D4201-06		LN440YCPUVT1	DIODE	6	<R>
D4207,08		MA165VT	DIODE	2	<R>
P4201		VJP1393T	CONNECTOR(MALE) 13P	1	
R4201,02		ERDS2TJ151	C.RESISTOR 1/4W 150	2	
R4203		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R4204		ERDS2TJ272	C.RESISTOR 1/4W 2.7K	1	
R4205		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R4206		ERDS2TJ272	C.RESISTOR 1/4W 2.7K	1	
R4207,08		EROS2CKG5100	M.RESISTOR 1/4W 510	2	
R4209,10		ERDS2TJ151	C.RESISTOR 1/4W 150	2	
VR4201-04		EVJ9MA040B14	V.RESISTOR 10K	4	
			MISCELLANEOUS		
E54		VMP3282	METER ANGLE	1	
E55		VGF0245	AUDIO METER HOLDER	2	
E56		VSE0117	CH1 METER	1	
E57		VSE0115	CH2 METER	1	
	■	VEP04342A	P.C.BOARD W/COMPONENT		
			FRONT JACK		
C4901,02		ECKF1H101KB	C.CAPACITOR 50V 100P	2	
J4901		VJJ0094	HEADPHONE JACK	1	
L4901,02		VLQEL05S101J	COIL 100UH	2	
P4901		VJP1231T	CONNECTOR(MALE) 4P	1	
P4902		VJP1234T	CONNECTOR(MALE) 7P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R4901		ERDS2TJ563	C.RESISTOR 1/4W 56K	1	
R4902		ERDS2TJ393	C.RESISTOR 1/4W 39K	1	
R4903		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
VR4901		EWKH1A015B23	V.RESISTOR 2K	1	
VR4902,03		EWHH1A091B15	V.RESISTOR 100K	2	
VR4904		EWHH1A091B24	V.RESISTOR 20K	1	
			MISCELLANEOUS		
E59		VMP3223	FRONT JACK ANGLE	1	
E60		VGU5605	VR KNOB	2	
E61		VGU5635	VR KNOB	2	
	■	VEP04343A	P.C.BOARD W/COMPONENT		
			MIC JACK		
C4301		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C4302		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4303-05		ECEA1CKA470	E.CAPACITOR 16V 47U	3	
C4306		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C4307		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4308		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
FL4301,02		VLF0523	FILTER	2	
IC4301		NJM2068MD	IC	1	<R>
J4301,02		VJJ0078	MIC JACK	2	
P4301		VJP1234T	CONNECTOR(MALE) 7P	1	
Q4301		MSD602-R	TRANSISTOR	1	<R>
R4301,02		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	2	
R4303		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R4304		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R4305		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R4306		ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	
R4307,08		ERJ6GEYJ224	M.RESISTOR CH 1/10W 220K	2	
R4309		ERJ6GEYJ124	M.RESISTOR CH 1/10W 120K	1	
R4310		ERJ6GEYJ753	M.RESISTOR CH 1/10W 75K	1	
R4311,12		ERJ6GEYJ330	M.RESISTOR CH 1/10W 33	2	
R4314,15		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4316		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
			MISCELLANEOUS		
E62		VSC3429	SHIELD CASE	1	
E63		VMP3224	MIC JACK ANGLE	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP00S01B	P.C.BOARD W/COMPONENT		AG-7350-E/B
			MOTHER		
P911		VJP1932T	CONNECTOR(MALE) 15P	1	
P931-33		VJS2898	CONNECTOR(FEMALE) 64P	3	
P935		VJP1230T	CONNECTOR(MALE) 3P	1	
P941,42		VJS2898	CONNECTOR(FEMALE) 64P	2	
P961-63		VJS2123	CONNECTOR(FEMALE) 18P	3	
P964		VJP1242T	CONNECTOR(MALE) 2P	1	
P971		VJS3152	CONNECTOR(FEMALE) 10P	1	
P972		VJP1244T	CONNECTOR(MALE) 4P	1	
P973-75		VJS3152	CONNECTOR(FEMALE) 10P	3	
P976		VJP1251T	CONNECTOR(MALE) 11P	1	
P991-93		VJS3152	CONNECTOR(FEMALE) 10P	3	
			MISCELLANEOUS		
E64		VMP3217	MOTHER ANGLE (REAR)	1	
E65		VMP3218	MOTHER ANGLE (FRONT)	1	
E66		VMX0985	SPACER	1	
E67		XTV26+8F	SCREW	15	
E68		VWJ18SW100LL	FLEXIBLE WIRE	3	
	■	VEP00S01C	P.C.BOARD W/COMPONENT		AG-7150-E/B
			MOTHER		
P911		VJP1932T	CONNECTOR(MALE) 15P	1	
P931-33		VJS2898	CONNECTOR(FEMALE) 64P	3	
P941,42		VJS2898	CONNECTOR(FEMALE) 64P	2	
P961-63		VJS2123	CONNECTOR(FEMALE) 18P	3	
P964		VJP1242T	CONNECTOR(MALE) 2P	1	
P971		VJS3152	CONNECTOR(FEMALE) 10P	1	
P972		VJP1244T	CONNECTOR(MALE) 4P	1	
P973-75		VJS3152	CONNECTOR(FEMALE) 10P	3	
P976		VJP1251T	CONNECTOR(MALE) 11P	1	
P991-93		VJS3152	CONNECTOR(FEMALE) 10P	3	
			MISCELLANEOUS		
E64		VMP3217	MOTHER ANGLE (REAR)	1	
E65		VMP3218	MOTHER ANGLE (FRONT)	1	
E66		VMX0985	SPACER	1	
E67		XTV26+8F	SCREW	15	
E68		VWJ18SW100LL	FLEXIBLE WIRE	3	
	■	VEP01502A	P.C.BOARD W/COMPONENT		
			SWITCHING POWER SUPPLY		
C1007		ECOS2GG181N	E.CAPACITOR 200V 180U	1	
C1008		VCK0042	C.CAPACITOR	1	<!><R>
C1009		ECEA2GG010	E.CAPACITOR 400V 1U	1	
C1010		ECQE6473MZ	P.CAPACITOR 630V 0.047U	1	
C1011		ECKD3D331KBN	C.CAPACITOR 3KV 1000P	1	
C1012		ECQB1H223JZ	P.CAPACITOR 50V 0.022U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1013		ECQB1H472JH	P.CAPACITOR 50V 4700P	1	
C1014		ECQV1H824JZ	P.CAPACITOR 50V 0.82U	1	
C1015		ECA1CXLV470	E.CAPACITOR 16V 47U	1	
C1016		ECA1VFQ391	E.CAPACITOR 35V 390U	1	
C1017		ECEA1VGE331	E.CAPACITOR 35V 330U	1	
C1018		ECA1EFZ561L	E.CAPACITOR 25V 560U	1	
C1019		ECEA1DPS122	E.CAPACITOR 20V 1200U	1	
C1020		ECA1EFZ102L	E.CAPACITOR 25V 1000U	1	
C1022		ECEA2AFE220	E.CAPACITOR 100V 22U	1	
C1023		ECEA1HGE101	E.CAPACITOR 50V 100U	1	
C1024		ECEA1AFZ331X	E.CAPACITOR 10V 330U	1	
C1025-27		ECQB1H103JH	P.CAPACITOR 50V 0.01U	3	
C1028		ECEA1HNX100	E.CAPACITOR 50V 10U	1	
C1029		ECEA1HGE100	E.CAPACITOR 50V 10U	1	
C1030,31		ECEA1AGE101	E.CAPACITOR 10V 100U	2	
C1032		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1035,36		ECCF1H101JC	C.CAPACITOR 50V 100P	2	
C1037		ECQB1H153JZ	P.CAPACITOR 50V 0.015U	1	
C1038		ECEA1AFZ331X	E.CAPACITOR 10V 330U	1	
C1045		VCK0042	C.CAPACITOR	1	
C1046		ECQB1H103JH	P.CAPACITOR 50V 0.01U	1	
D1002-05		RM2B	DIODE	4	<R>
D1006		VSD0002	DIODE	1	<R>
D1007		AP01C	DIODE	1	<R>
D1009		MA178	DIODE	1	<R>
D1010,11		FMLG12SP	DIODE	2	<R>
D1012		MA2200B	DIODE	1	<R>
D1013		FML12SP	DIODE	1	<R>
D1015,16		VSD0001	DIODE	2	<R>
D1017		AK04	DIODE	1	<R>
D1018,19		MA178	DIODE	2	<R>
D1020		MA4030L	DIODE	1	<R>
D1021		MA165VT	DIODE	1	<R>
IC1001		STRD6009E	IC	1	<R>
IC1002		SE013E	IC	1	<R>
IC1003		STK5382	IC	1	<R>
L1002,03		VLQ0354	COIL	2	
L1004		ELC07D220	COIL 22UH	1	
L1005		VLQ0354	COIL	1	
P1002		VJP1930T	CONNECTOR(MALE) 15P	1	
P1003		VJP1243T	CONNECTOR(MALE) 3P	1	
Q1001		PC111A	PHOTO COUPLER	1	<R>
Q1002		2SD639	TRANSISTOR	1	(R,S)<R>
R1002,03		ERDS2TJ683	C.RESISTOR 1/4W 68K	2	
R1004,05		ERDS2TJ474	C.RESISTOR 1/4W 470K	2	
R1006		ERG2ANJ683U	M.RESISTOR 2W 68K	1	
R1007		ERG2SJ560U	M.RESISTOR 2W 56	1	
R1009		EROS2CKG2000	M.RESISTOR 1/4W 200	1	
R1010		ERD2FCG102	C.RESISTOR 2W 1K	1	
R1011		ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R1012		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1013		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
R1014		ERG12ANJ182	M.RESISTOR 1/2W 1800	1	
R1016		ERQ12HJ180	F.RESISTOR 1/2W 18	1	
R1018		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1019		ERDS2TJ681	C.RESISTOR 1/4W 680	1	
R1020		ERG2SJ220U	M.RESISTOR 2W 22	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1021		ERF5AK1R8	W.RESISTOR 5W 1.8K	1	
T1001		VLT0651	TRANSFORMER	1	<!><R>
	■	VEP01503A	P.C.BOARD W/COMPONENT		
			POWER SUPPLY SUB		
C1001		VCK0045	C.CAPACITOR 250V 1500P	1	<!><R>
C1002		ECQU2A224MN	P.CAPACITOR 250V 0.22U	1	<!><R>
C1003-05		VCK0045	C.CAPACITOR 250V 1500P	3	<!><R>
C1006		ECQU2A224MN	P.CAPACITOR 250V 0.22U	1	<!><R>
D1001		SNR-300K4	SURGE ABSORBER	1	<R>
F1001		XBA2C25TB0	FUSE	1	<R><!>
L1001		ELF18D616	COIL	1	
P1001		VJP2639	CONNECTOR(MALE)	1	
			MISCELLANEOUS		
E69		VMZ1305	CAPACITOR COVER (L)	2	
E70		VJF0318	FUSE HOLDER	2	<!><R>
E71		VMZ0429	FUSE COVER	1	<!><R>
E72		VMZ0965	CAPACITOR COVER (S)	4	
	■	VEP01478B	P.C.BOARD W/COMPONENT		
			AC PLUG		
C1101,02		ECQU2A224MN	P.CAPACITOR 250V 0.22U	2	<!><R>
L1101		ELF18D618F	COIL	1	
P1101		VJP2638	CONNECTOR(MALE) 4P	1	<!><R>
P1102		VJS2985	CONNECTOR(FEMALE)	1	<!><R>
R1101		ERC12GM334	S.RESISTOR 1/2W 330K	1	
			MISCELLANEOUS		
E73		VMZ1305	CAPACITOR COVER (L)	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP01471A	P.C.BOARD W/COMPONENT		
			POWER DETECT		
C1201		ECEA1HGE4R7	E.CAPACITOR 50V 4.7U	1	
C1202		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
C1203		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C1204		ECEA1CGE100	E.CAPACITOR 16V 10U	1	
C1205		ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1206		ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1207		ECEA1HGE3R3	E.CAPACITOR 50V 3.3U	1	
C1208		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1209		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C1210		ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1211		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C1213		ECEA1CGE102	E.CAPACITOR 16V 1000U	1	
C1214		ECEA0JGE331	E.CAPACITOR 6.3V 330U	1	
C1215		ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C1216		ECEA1CGE101	E.CAPACITOR 16V 100U	1	
D1017		MA165VT	DIODE	1	<R>
D1201,02		MA151WA	DIODE	2	<R>
D1204		MA151K	DIODE	1	<R>
D1205		MA151WK	DIODE	1	<R>
D1206		MA151K	DIODE	1	<R>
D1207		MA4047M	DIODE	1	<R>
D1207		MA4150M	DIODE	1	<R>
D1208,09		MA151K	DIODE	2	<R>
D1210		MA4056-M	DIODE	1	<R>
D1211		MA165VT	DIODE	1	<R>
D1211,12		MA165VT	DIODE	2	<R>
D1212		MA165VT	DIODE	1	<R>
D1214		FMB-G14L	DIODE	1	<R>
IC1201		STR90120	IC	1	<R>
IC1202		LM393PS	IC	1	<R>
IC1203		SI3050C	IC	1	<R>
P1201		VJP1932T	CONNECTOR(MALE) 15P	1	
P1202		VJP1230T	CONNECTOR(MALE) 3P	1	
P1203		VJP1239T	CONNECTOR(MALE) 12P	1	
P1204		VJP1932T	CONNECTOR(MALE) 15P	1	
Q1201		MSD601-R	TRANSISTOR	1	<R>
Q1202		8P2M	TRANSISTOR	1	<R>
Q1203		MSD601-R	TRANSISTOR	1	<R>
QR1202		MRN1404	TRANSISTOR	1	<R>
QR1203		UN1212	TRANSISTOR-RESISTOR	1	<R>
QR1204		UN2224	TRANSISTOR-RESISTOR	1	<R>
R1202		ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R1203		ERJ6GEYJ393	M.RESISTOR CH 1/10W 39K	1	
R1204		ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	
R1205		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R1206		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R1207		ERJ6GEYJ561	M.RESISTOR CH 1/10W 560	1	
R1208		ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	
R1210		ERJ6GEYJ104	M.RESISTOR CH 1/10W 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1211		ERJ6GEYJ473	M.RESISTOR CH 1/10W 47K	1	
R1212		ERJ6GEYJ271	M.RESISTOR CH 1/10W 270	1	
R1213		ERJ6GEYJ222	M.RESISTOR CH 1/10W 2.2K	1	
R1214		ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	
R1215		ERJ6GEYJ331	M.RESISTOR CH 1/10W 330	1	
R1216		ERJ6GEYJ272	M.RESISTOR CH 1/10W 2.7K	1	
R1218		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
			MISCELLANEOUS		
E74		VMX0985	SPACER	1	
E75		VSC3076	HEAT SINK	1	
E77		XTV3+8F	SCREW	2	
E78		VSC3447	HEAT SINK	1	
E79		VMZ1352	HEAT SINK COVER	1	
	■	VEP04344A	P.C.BOARD W/COMPONENT		AG-7350-E/B
			REAR JACK		
J6901		VJS3155	S-VIDEO IN JACK	1	
J6902,03		VJS3154	VIDEO IN JACK	2	
J6904		VJS3155	S-VIDEO OUT JACK	1	
J6905,06		VJS3154	VIDEO OUT JACK	2	
J6907,08		VJJ0324	AUDIO JACK	2	
J6909-12		VJJ0323	VIDEO OUT JACK	4	
P6901-03		VJP3152	CONNECTOR(MALE)	3	
R6901-04		ERDS2TJ750	C.RESISTOR 1/4W 75	4	
	■	VEP04344B	P.C.BOARD W/COMPONENT		AG-7150-E/B
			REAR JACK		
J6903		VJS3154	VIDEO IN JACK	1	
J6904		VJS3155	S-VIDEO OUT JACK	1	
J6905,06		VJS3154	VIDEO OUT JACK	2	
J6909,10		VJJ0323	VIDEO OUT JACK	2	
J6911,12		VJJ0322	MONITOR JACK	2	
P6901-03		VJP3152	CONNECTOR(MALE)	3	
R6904		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
	■	VEP06538C	P.C.BOARD W/COMPONENT		
			34PIN		
C6601,02		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6603		ECKF1H391KB	C.CAPACITOR 50V 390P	1	
C6604		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6605		ECEA1CK101	E.CAPACITOR 16V 100U	1	
C6606		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C6607		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C6608		ECEA0JK330	E.CAPACITOR 6.3V 33U	1	
C6609		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6610		ECEA0JK470	E.CAPACITOR 6.3V 47U	1	
C6611		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6612		ECEA0JK101	E.CAPACITOR 6.3V 100U	1	
C6613		ECQB1H332JZ	P.CAPACITOR 50V 3300P	1	
CA6601		EXFP81022W	COMBI R-R	1	
CA6602		VCR0329103MB	IC	1	
CA6603		EXFP81022W	COMBI R-R	1	
IC6601		MN15362VMP	IC	1	<R>
IC6602		MN1280R	IC	1	<R>
IC6603		AN90B22	IC	1	<R>
L6601		VLQEL05F101K	COIL 100UH	1	
P6601		VJP1250T	CONNECTOR(MALE) 10P	1	
P6602		VJS1327	CONNECTOR(FEMALE) 34P	1	
Q6601-03		2SD636-R	TRANSISTOR	3	(Q,R)<R>
QR6609		UN1211	TRANSISTOR-RESISTOR	1	<R>
R6601		ERQ12AJ3R9P	F.RESISTOR 1/2W 3.9	1	
R6602		ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R6603		ERDS2TJ153	C.RESISTOR 1/4W 15K	1	
R6604-12		ERDS2TJ103	C.RESISTOR 1/4W 10K	9	
R6613,14		ERDS2TJ153	C.RESISTOR 1/4W 15K	2	
R6615		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R6616		ERDS2TJ122	C.RESISTOR 1/4W 1.2K	1	
R6617		ERDS2TJ471	C.RESISTOR 1/4W 470	1	
			MISCELLANEOUS		
E80		XTN26+10F	SCREW	2	
E81		XTN3+8JFZ	SCREW	1	
E82		VMX0674	CONNECTOR SPACER	1	
E83		VGH1979	PLATE	1	
E84		VMP2085	ANGLE	1	
E85		VMX1636	SPACER	1	
	■	VEK5556	P.C.BOARD W/COMPONENT		
			SEARCH DIAL UNIT		
			MISCELLANEOUS		
E86		VJP1249T	CONNECTOR 9P	1	
E87		VSQ0651	JOG/SHUTTLE UNIT	1	
E88		XTV3+6F	SCREW	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E89		XTV3+8J	SCREW	3	
E90		XYE3+EF6	SCREW	1	
	■	VEK3578	P.C.BOARD W/COMPONENT		
			PHOTO TR (L) UNIT		
C1501		ECKW1H102KB	C.CAPACITOR 50V 1000P	1	
Q1501		PN150NVS	PHOTO TR	1	
			MISCELLANEOUS		
E91		VMD0645	PHOTO TR HOLDER	1	
	■	VEK4058	P.C.BOARD W/COMPONENT		
			PHOTO TR (R) UNIT		
C1502		ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
P1508		VJS2165W	CONNECTOR(FEMALE) 6P	1	
Q1502		PN150NVS	PHOTO TR	1	
R1503		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
			MISCELLANEOUS		
E92		VMD0645	HOLDER	1	
	■	VEK2657	P.C.BOARD W/COMPONENT		
			TENSION SENSOR UNIT		
Q1504		ON1301	PHOTO INTERRUPTOR	1	<R>
R1502		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
	■	VEK4265	P.C.BOARD W/COMPONENT		
			REV TENSION SENSOR UNIT		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
E156		VMA7987	REV PHOTO HOLDER	1	
E157		ON1108	PHOTO INTERRUPTOR	1	
E94		XYN26+C5	SCREW	1	
	■	VEK4163	P.C.BOARD W/COMPONENT		
			MOTOR BASE		
P1502		VJP1511T	CONNECTOR(MALE) 11P	1	
P1503		VJP1229G	CONNECTOR(MALE) 2P	1	
P1513		VJP1229T	CONNECTOR(MALE) 2P	1	
P1514		VJP1229R	CONNECTOR(MALE) 2P	1	
P1515		VJP1232T	CONNECTOR(MALE) 5P	1	

Order No. VSD9112S638

Service Manual

Supplement

Video Product

Subject: Y Level Difference between Line and 4-Pin

Please use this supplement together with the Service Manual as follows:

Model No.	Bulletin No.	Order No.	Effective from
AG-7350-E/B 1/21/14/4 V11134	8	VSD9109M615	J1T ...
AG-7150-E/B	8	VSD9109M615	J1T ...
AG-7355-E/B	1	VSD9110M616	J1T ...

Symptom : The level difference of Y signal between the line output and 4-pin (S-Video) may be occured.

Remedy : In order to prevent this, a resistor R3656 (10 Kohm) has been added.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Other

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
R3656	---	ERJ6GEYG103	RESISTOR 10K	1	C	

Panasonic

Order No. VSD9302S655

Service Manual

Supplement

Video Product

Subject: Additional of New Features

Please use this supplement together with the Service Manual as follows:

Model No.	Bulletin No.	Order No.	Effective from
AG-7355-E/B	15	VSD9110M616	2T
AG-7350-E/B	28	VSD9109M615	2T
AG-7150-E/B	28	VSD9109M615	2T

The following changes have been made to improve the functions of this VTR.

1. Standby OFF time setting
2. Wide screen
3. Connector panel

The following parts have been changed for above reason.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Other

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
E1	VEP06729D	VEP06848C	SERVO & SYSTEM CONTROL C.B.A.	1	E	AG-7350 /AG-7150
E1	VEP06729E	VEP06848D	SERVO & SYSTEM CONTROL C.B.A.	1	E	AG-7355
E3	VEP00R80A	VEP00R80B	SERVO TP C.B.A.	1	E	
E11	VEP06749C	VEP06749J	FRONT C.B.A.	1	E	AG-7350
E11	VEP06749D	VEP06749K	FRONT C.B.A.	1	E	AG-7150
E11	VEP06749F	VEP06749L	FRONT C.B.A.	1	E	AG-7355

Continued on the next page

Part Number

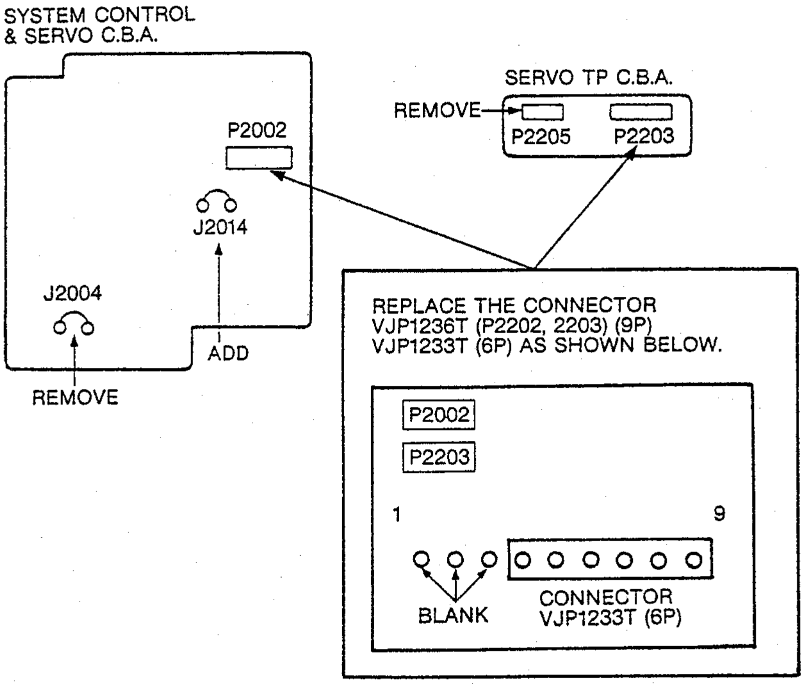
Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
E20	VEP04344A	VEP04344D	REAR JACK C.B.A.	1	E	AG-7350
E20	VEP04344B	VEP04344E	REAR JACK C.B.A.	1	E	AG-7150
E20	VEP04344C	VEP04344F	REAR JACK C.B.A.	1	E	AG-7355
4-18	VGH2859	VGH3081	REAR JACK PLATE	1	E	AG-7350
4-18	VGH2860	VGH3084	REAR JACK PLATE	1	E	AG-7150
4-18	VGH2863	VGH3078	REAR JACK PLATE	1	E	AG-7355
6-1	VPG6203	VPG6548	PACKING CASE	1	E	AG-7350-E
6-1	VPG6204	VPG6549	PACKING CASE	1	E	AG-7350-B
6-1	VPG6205	VPG6553	PACKING CASE	1	E	AG-7150
6-1	VPG6201	VPG6543	PACKING CASE	1	E	AG-7355
6-10	------	VQC2002	CORRECTIONS SHEET	1	E	

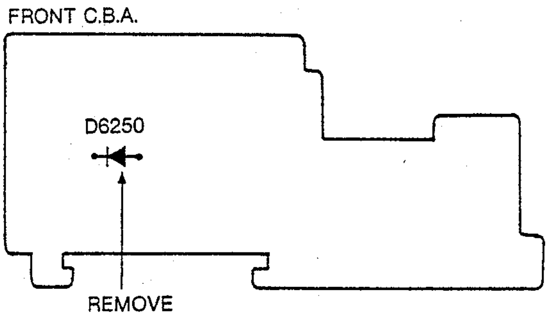
---- NOTE ----

SERVO & SYSTEM CONTROL C.B.A. SERVO TP C.B.A. and FRONT C.B.A. may be used in early production sets only as shown below.

CIRCUIT BOARD	INTERCHANGEABILITY
SERVO & SYSTEM CONTROL	NO
SERVO TP	NO
FRONT	NO
MOTHER	YES
REAR JACK	YES

Please perform the following modification when you use these circuit boards (SERVO & SYSTEM CONTROL, SERVO TP and FRONT) for early production sets.


SYSTEM CONTROL
& SERVO C.B.A.
P2002
J2014
J2004
ADD
REMOVE
SERVO TP C.B.A.
REMOVE
P2205
P2203
REPLACE THE CONNECTOR
VJP1236T (P2202, 2203) (9P)
VJP1233T (6P) AS SHOWN BELOW.
P2002
P2203
1
9
BLANK
CONNECTOR
VJP1233T (6P)


FRONT C.B.A.
D6250
REMOVE

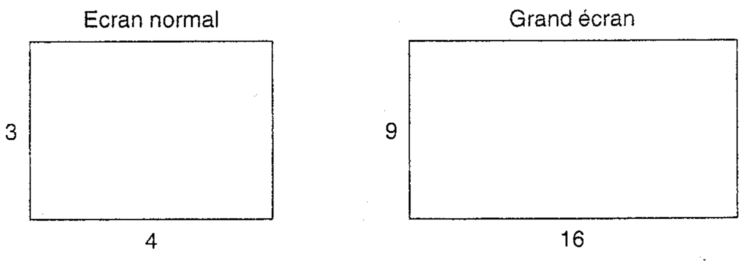
Description of Changes

1. Standby OFF time setting

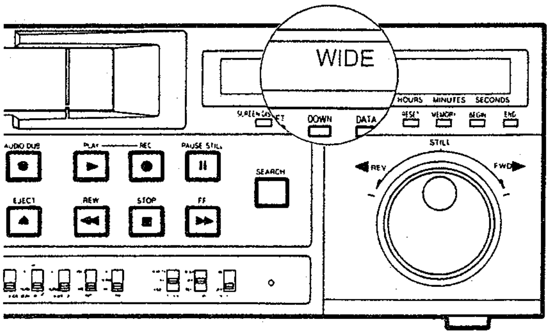
The time between when the tape stops and the upper VIDEO Head stops rotating, is called the standby off time, and it can be set by using ON-Screen operation.

2. Wide screen

Previously, the only aspect ratio available for T.V screens was 4/3. Now however, another aspect ratio, 16/9 wide screen is becoming available.
This VTR can record and playback an aspect ratio identification signal (side data) which will allow a compatible monitor to reproduce a 16/9 aspect ratio picture. This identification signal for wide screen can only be input or output via the S1 video input/output connector. Note that is cant be input or output from the line signal (video connector).


Ecran normal
3
4
Grand écran
9
16

- Pendant l'enregistrement ou la lecture des données grand écran, l'indication "WIDE" s'affiche sur le voyant de fonction.

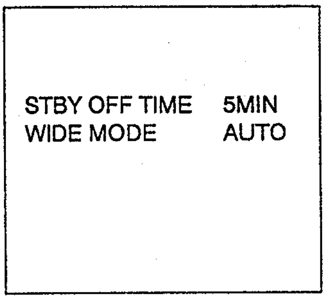

WIDE
HOURS
MINUTES
SECONDS
DOWN
DATA
AUDIO DUB
PLAY
REC
PAUSE STILL
SEARCH
EJECT
REW
STOP
FF
STILL
REV
FWD

On-screen operation

1. Press the SCREEN DISPLAY and DOWN buttons simultaneously to display the ON-SCREEN screen.

2. Press the SHIFT button.
   Select the STBY OFF TIME or WIDE MODE item.

   *Press the DATA button to change the setting.
   *Press the DOWN button to proceed to the next item.



STBY OFF TIME 5MIN
WIDE MODE AUTO

***Setting the standby OFF time**

5 MIN: Normally, use this setting. The upper video head cylinder will stop rotating approx, 5 minutes after the VTR to return to the playback mode from the stop mode is approx. 1 second.)(factory setting)

0 MIN: The upper video head cylinder will stop rotating as soon as the VTR stops. (The time taken for the VTR to return to the playback mode from the stop mode is approx. 3 seconds).

***Setting the wide data mode**

AUTO: Wide data is recorded and played back automatically. (factory setting)

NOR: The VTR is put forcibly into the normal mode.

WIDE: The VTR is put forcibly into the wide mode.

Note:
*The AG-7150 permits playback but not recording of wide data.

3. Upon completion of operation, press the SCREEN DISPLAY button. The normal screen will reappear.

For details, refer to On-screen Functions On-screen Functions in the instruction manual.

3. Connector panel

The name of the S-VIDEO IN (OUT) Connector on the connector panel at the rear has been changed to the S1 VIDEO IN (OUT) Connector.

3. Wide size 16:9 ratio video

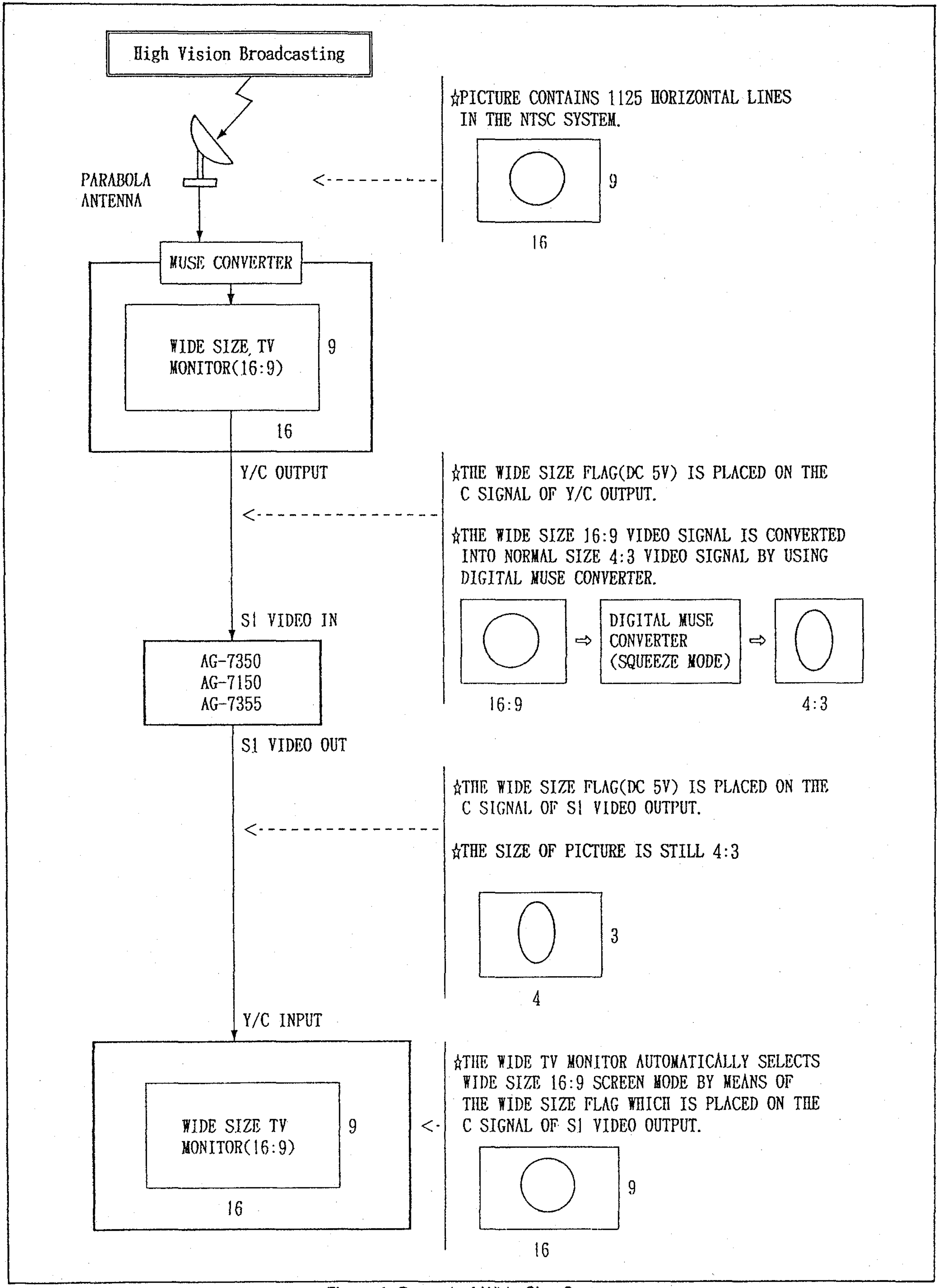
3-1. General

The AG-7350/7150 and AG-7355 are equipped with a 16:9 picture ratio function which will allow them to be used in future High Vision/wide video broadcasting applications. High Vision broadcasting is slowly coming into everyday use. For example, when converting 16:9 video into standard 4:3 video using a digital converter such as the "Muse Converter", the signal will be recorded onto these machines complete with associated wide size information.
Upon playback, the machine feeds the wide size information (superimposed upon the C signal) to a suitable monitor and a "wide flag" signal automatically selects wide mode.
See Figure A.

This video system consists of two main sections, Wide Video Detection and Wide Input/Output Select.

3-2. Wide Size Video Detection

In the MII VTR, wide size video information (the "wide flag") is recorded onto tape to provide wide picture recognition in compatible equipment. The wide flag consists of 5V DC superimposed upon lines 12 and 255 of the Pr signal (PAL) and lines 15 and 277 of the Pr signal (NTSC). When a tape containing this signal is replayed, 5V is superimposed on the C signal (video output S1) and is sent to the TV monitor for auto wide size selection.


High Vision Broadcasting
PARABOLA ANTENNA
9
16
MUSE CONVERTER
WIDE SIZE TV MONITOR(16:9)
9
16
Y/C OUTPUT
S1 VIDEO IN
AG-7350
AG-7150
AG-7355
DIGITAL MUSE CONVERTER (SQUEEZE MODE)
16:9
4:3
S1 VIDEO OUT
3
4
Y/C INPUT
WIDE SIZE TV MONITOR(16:9)
9
16
9
16

☆PICTURE CONTAINS 1125 HORIZONTAL LINES IN THE NTSC SYSTEM.

☆THE WIDE SIZE FLAG(DC 5V) IS PLACED ON THE C SIGNAL OF Y/C OUTPUT.

☆THE WIDE SIZE 16:9 VIDEO SIGNAL IS CONVERTED INTO NORMAL SIZE 4:3 VIDEO SIGNAL BY USING DIGITAL MUSE CONVERTER.

☆THE WIDE SIZE FLAG(DC 5V) IS PLACED ON THE C SIGNAL OF S1 VIDEO OUTPUT.

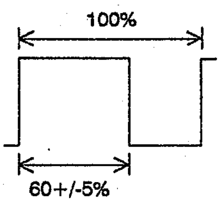
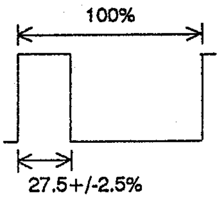
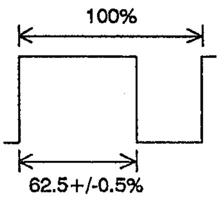
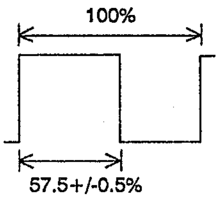
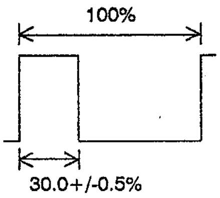
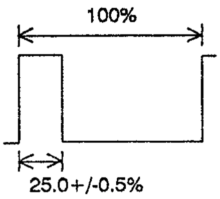
☆THE SIZE OF PICTURE IS STILL 4:3

☆THE WIDE TV MONITOR AUTOMATICALLY SELECTS WIDE SIZE 16:9 SCREEN MODE BY MEANS OF THE WIDE SIZE FLAG WHICH IS PLACED ON THE C SIGNAL OF S1 VIDEO OUTPUT.

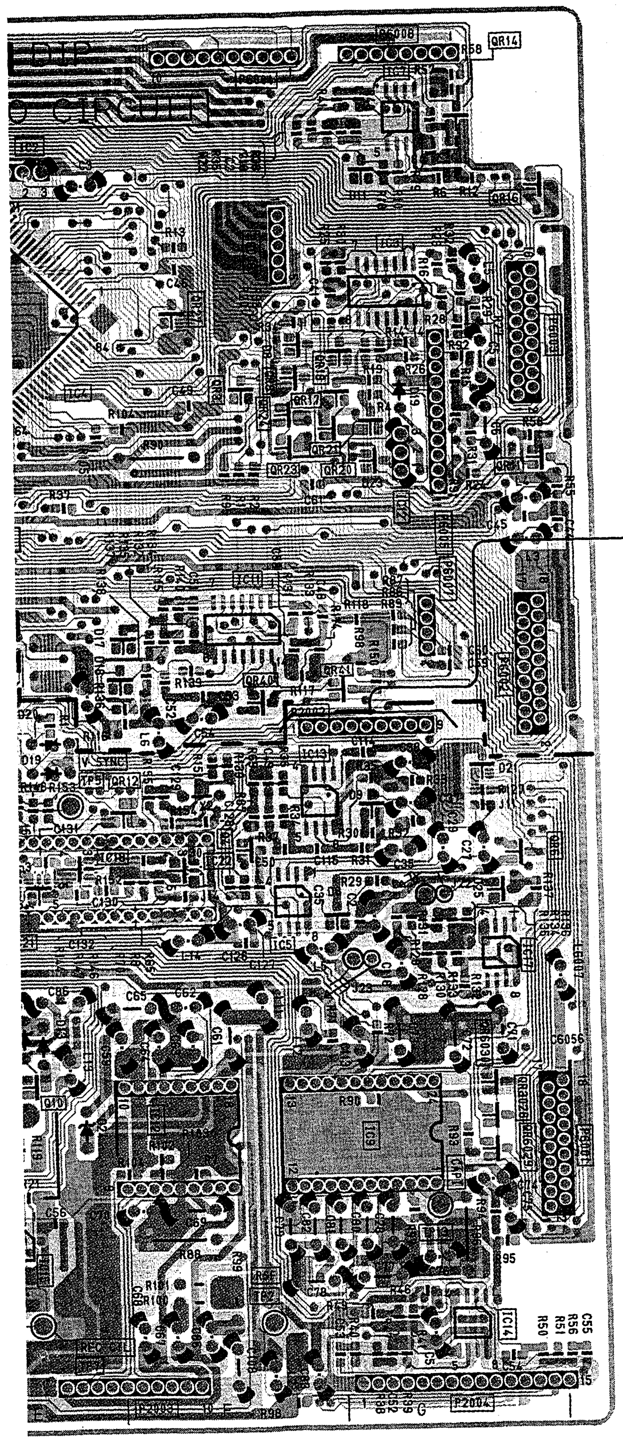
Figure A General of Wide Size System

WIDE MODE DETECTION PULSES

On the video tape, the wide mode detection pulses are recorded on the CTL track by using the CTL pulses.

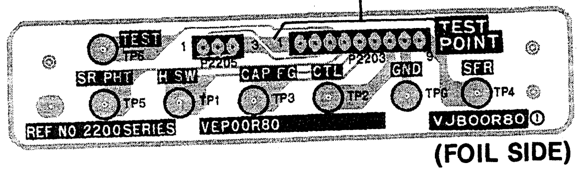
<table>
<tr><th colspan="2">"0" PULSE</th><th colspan="2">"1" PULSE</th></tr>
<tr><td colspan="2">
The "0" pulse is used for the most of AG series VTR.</td><td colspan="2">
The "1" pulse is used in consumer VTRs with the "VISS" and "VASS" signals.</td></tr>
<tr><td>"L" pulse
 </td><td>"S" pulse
 </td><td>"L" pulse
 </td><td>"S" pulse
 </td></tr>
<tr><td colspan="2"><RECORDING>
AG-7350/7355 record the "L" pulse and "S" pulse alternately during the wide mode.</td><td colspan="2"><RECORDING>
These machines record the "L" pulse and "S" pulse alternately during the wide mode.</td></tr>
<tr><td colspan="2"><PLAYBACK>
AG-7350/7150/7355 can detect the duty of CTL "0" pulse as follows;
42.5% <DUTY =< 59.0% : "S"
59.0% <DUTY : "L"</td><td colspan="2"><PLAYBACK>
AG-7350/7150/7355 can detect the duty of CTL "1" pulse as follows;
DUTY =< 59.0% : "S"
26.5% <DUTY =< 42.5% : "L"</td></tr>
<tr><td colspan="4">If the wide format pattern (L, S, L, S, ...) is continued for more than 20 frames (approx. 0.667s), the AG-7350/7150/7355 detects the wide mode.</td></tr>
</table>

In the wide mode, the +5V DC signal is mixed to the chrominance (C) signal of the S-VIDEO signal.



(FOIL SIDE)

SERVO TP C.B.A.


TEST
TP6
P2205
P2203
TEST POINT
SR PHT
H SW
CAP FG
CTL
GND
SFR
TP5
TP1
TP3
TP2
TPG
TP4
REF NO 2200SERIES
VEP00R80
VJB00R80

(FOIL SIDE)

SYSTEM CONTROL & SERVO C.B.A.

Transistor	
Q1901	B-3
Q1902	B-2
Q1903	B-2
Q2001	E-3
Q2004	F-4
Q2005	D-4
Q2006	D-1
Q2007	D-1
Q2008	D-1
Q2010	E-3
Q2011	D-2
Q6001	C-4
Q6002	A-6
Q6003	A-6
Q6004	A-6
Q6005	A-6
Q6006	A-6
Q6007	D-1
Q6009	B-4
Q6010	B-7
Q6011	B-7
Q6012	B-6
Q6013	B-5
Q6014	B-6
Q6015	A-5
Q6016	B-5
Q6017	B-6
Q6018	B-4
Q6024	A-5

Transistor & Resistor	
QR2001	D-4
QR2003	E-2
QR2005	D-2
QR2006	G-4
QR2008	C-3
QR2009	C-3
QR2011	E-3
QR2012	F-4
QR3028	G-3
QR6001	B-4
QR6002	B-4
QR6003	F-6
QR6004	B-6
QR6006	C-5
QR6007	C-5
QR6008	F-6
QR6009	C-4
QR6010	A-6
QR6011	G-6
QR6012	A-7
QR6013	A-5
QR6014	G-7
QR6015	C-6
QR6016	G-7
QR6017	G-6
QR6018	G-6
QR6019	C-4
QR6020	G-6
QR6021	G-6
QR6022	D-5
QR6023	F-6
QR6024	F-6
QR6025	C-6
QR6026	C-5
QR6027	F-7
QR6029	G-3
QR6030	G-3
QR6040	F-5
QR6041	G-5

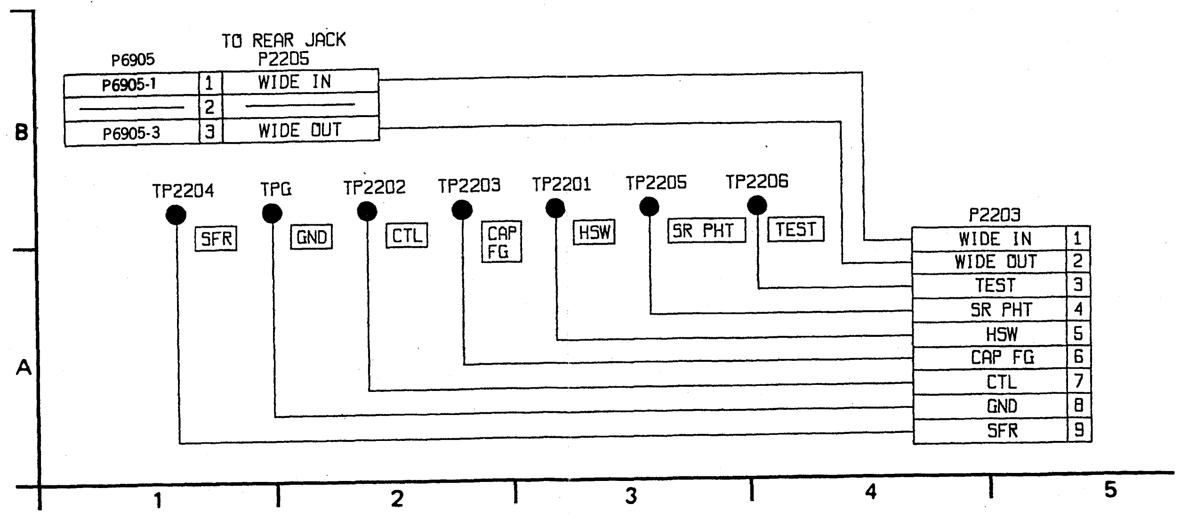
Integrated Circuit	
IC1901	B-3
IC2001	D-4
IC2002	D-2
IC2003	D-2
IC2005	F-4
IC2008	D-3
IC2009	G-3
IC2010	D-4
IC2011	C-2
IC2012	F-3
IC2013	F-4
IC2014	G-2
IC2015	E-2
IC2016	C-2
IC2018	E-4
IC2019	E-4
IC2020	E-4
IC2021	E-4
IC2022	F-4
IC6001	C-5
IC6002	E-7
IC6003	G-7
IC6004	E-6
IC6005	B-7
IC6006	C-6
IC6007	G-7
IC6008	B-6
IC6009	B-7
IC6010	C-6
IC6011	F-5
IC6012	G-6
IC6017	G-4

Test Point	
TP1901	A-1
TP2001	D-4
TP2002	F-2
TP2003	C-2
TP2005	E-4
TP2007	E-2
TP2008	D-2
TP2011	B-3
TP2012	C-1
TP2013	G-2
TP6001	D-6
TP6002	D-7
TP6003	D-6

Adjustment	
VR2001	B-1
VR2002	B-1
VR2003	B-1

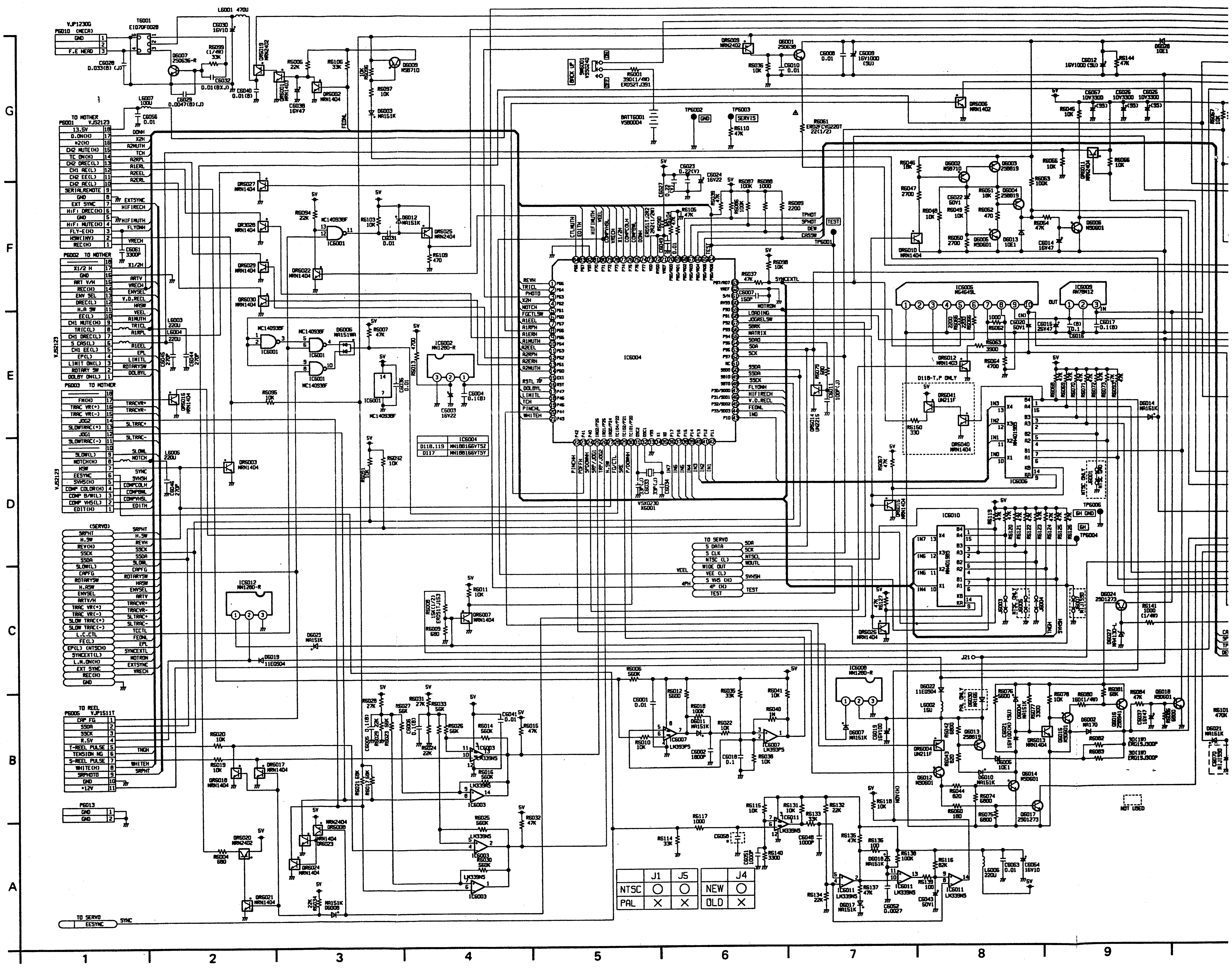
Connector	
P2001	F-2
P2002	G-5
P2003	F-2
P2004	G-2
P2005	A-2
P6001	G-3
P6002	G-5
P6003	G-6
P6004	F-7
P6005	G-6
P6006	F-7
P6007	G-5
P6008	G-7
P6009	D-1
P6010	E-1
P6011	B-1
P6012	C-1
P6013	C-7

SERVO TP SCHEMATIC DIAGRAM

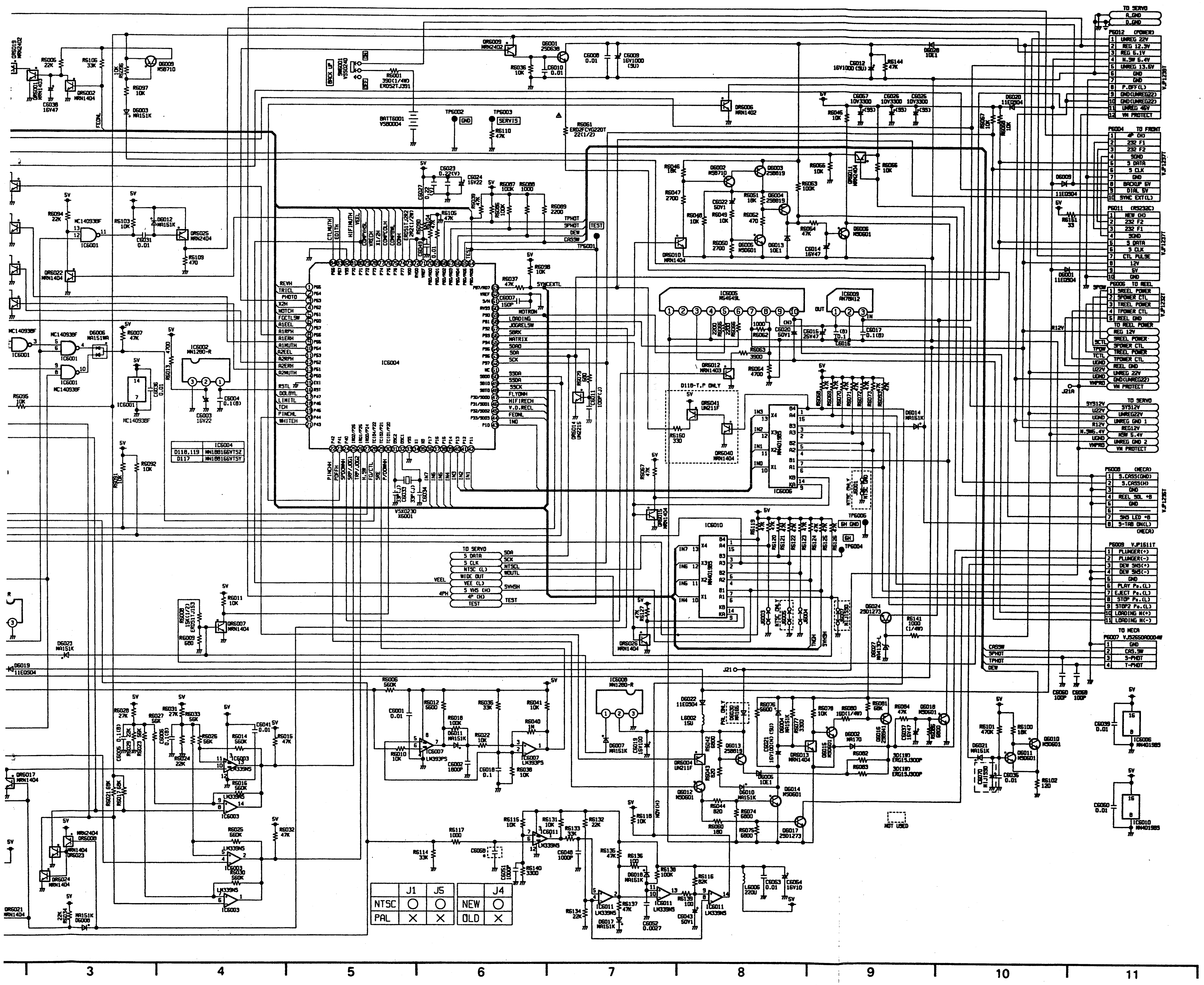

TO REAR JACK
P6905
P2205
P6905-1
1 WIDE IN
2
P6905-3
3 WIDE OUT
B
A
TP2204
TPG
TP2202
TP2203
TP2201
TP2205
TP2206
SFR
GND
CTL
CAP FG
HSW
SR PHT
TEST
P2203
WIDE IN 1
WIDE OUT 2
TEST 3
SR PHT 4
HSW 5
CAP FG 6
CTL 7
GND 8
SFR 9
1
2
3
4
5

SYSTEM CONTROL SCHEMATIC DIAGRAM AG-7355/7350/7150

(Page SCM-5)

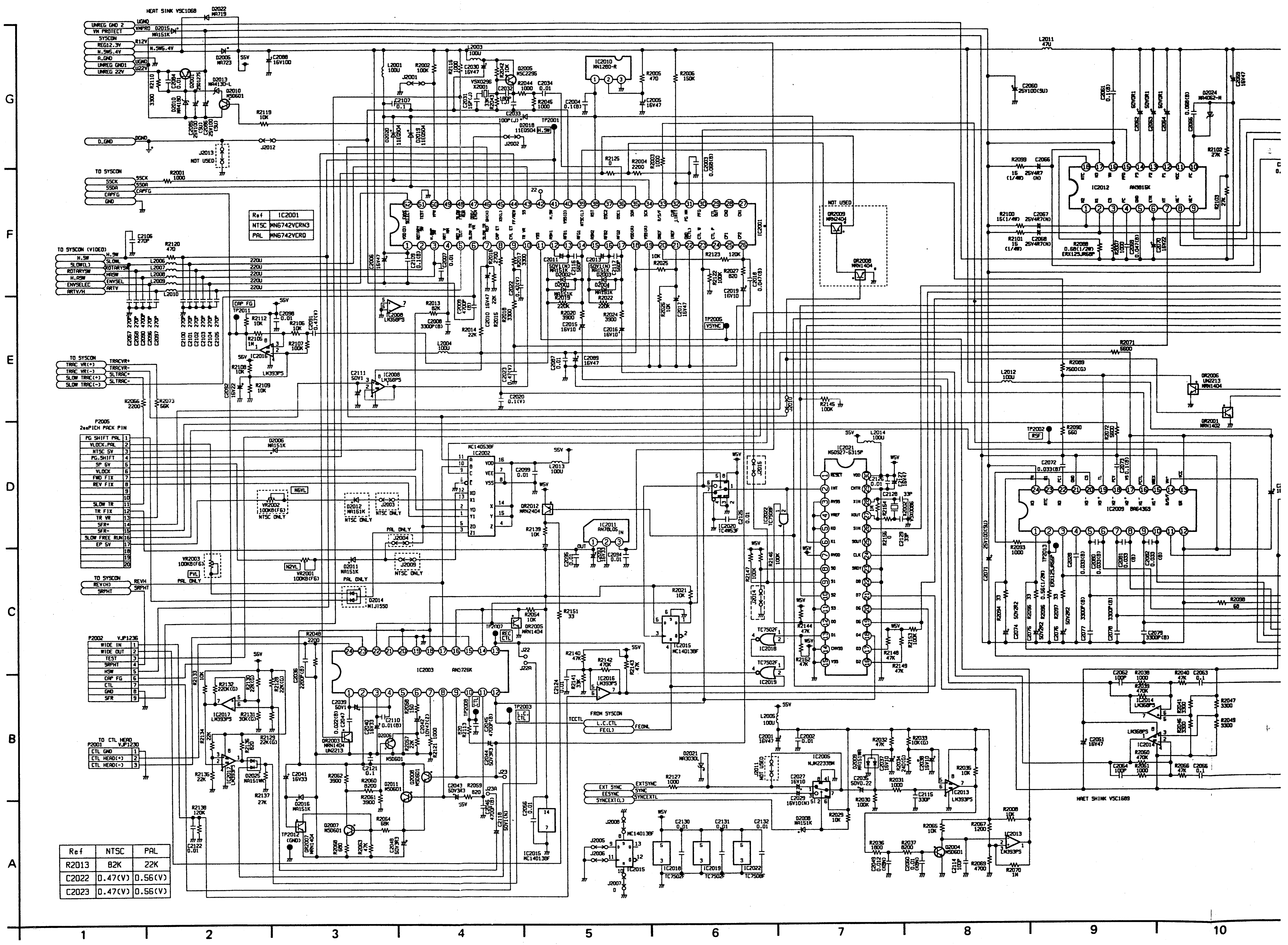

IC6004
IC6001
IC6002
IC6003
IC6005
IC6006
IC6008
IC6009
IC6010
IC6011
IC6012
TO MOTHER
TO SERVO
TO REEL
J1
J5
J4
NTSC
PAL
NEW
OLD
NOT USED
A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9

EMATIC DIAGRAM AG-7355/7350/7150


TO SERVO
A.GND
D.GND
P6012 (POWER)
UNREG 22V
REG 12.3V
REG 6.1V
N.SW 6.4V
UNREG 13.6V
GND
P.OFF(L)
GND(UNREG22)
UNREG 46V
VN PROTECT
P6004 TO FRONT
4P (H)
232 F1
232 F2
SGND
S DATA
S CLK
BACKUP 5V
DIAL 5V
SYNC EXT(L)
P6011 (RS232C)
NEW (H)
CTL PULSE
12V
5V
P6006 TO REEL
SREEL POWER
SPOWER CTL
TREEL POWER
TPOWER CTL
REEL GND
TO REEL POWER
REG 12V
UNREG 22V
GND(UNREG22)
VN PROTECT
TO SERVO
SYS12V
UNREG22V
UNREG GND 1
REG12V
NSW 5.4V
UNREG GND 2
P6008 (MECA)
S.CASS(GND)
S.CASS(H)
GND
REEL SOL +B
SNS LED +B
S-TAB ON(L)
P6009 VJP1611T
PLUNGER(+)
PLUNGER(-)
DEW SNS(+)
DEW SNS(-)
PLAY Pa.(L)
EJECT Pa.(L)
STOP Pa.(L)
STOP2 Pa.(L)
LOADING M(+)
LOADING M(-)
TO MECA
P6007
GND
CAS.SW
S-PHOT
T-PHOT
IC6004
IC6005
IC6006
IC6008
IC6009
IC6010
IC6001
IC6002
IC6003
IC6007
IC6011
BATT6001
TP6002
TP6003
SERVIS
TEST
TO SERVO
S DATA
S CLK
NTSC (L)
WIDE OUT
VEE (L)
5 VHS (H)
4P (H)
TEST
D110-T.P ONLY
NOT USED
J1
J5
J4
NTSC
PAL
NEW
OLD
3
4
5
6
7
8
9
10
11

SERVO SCHEMATIC DIAGRAM AG-7355/7350/7150

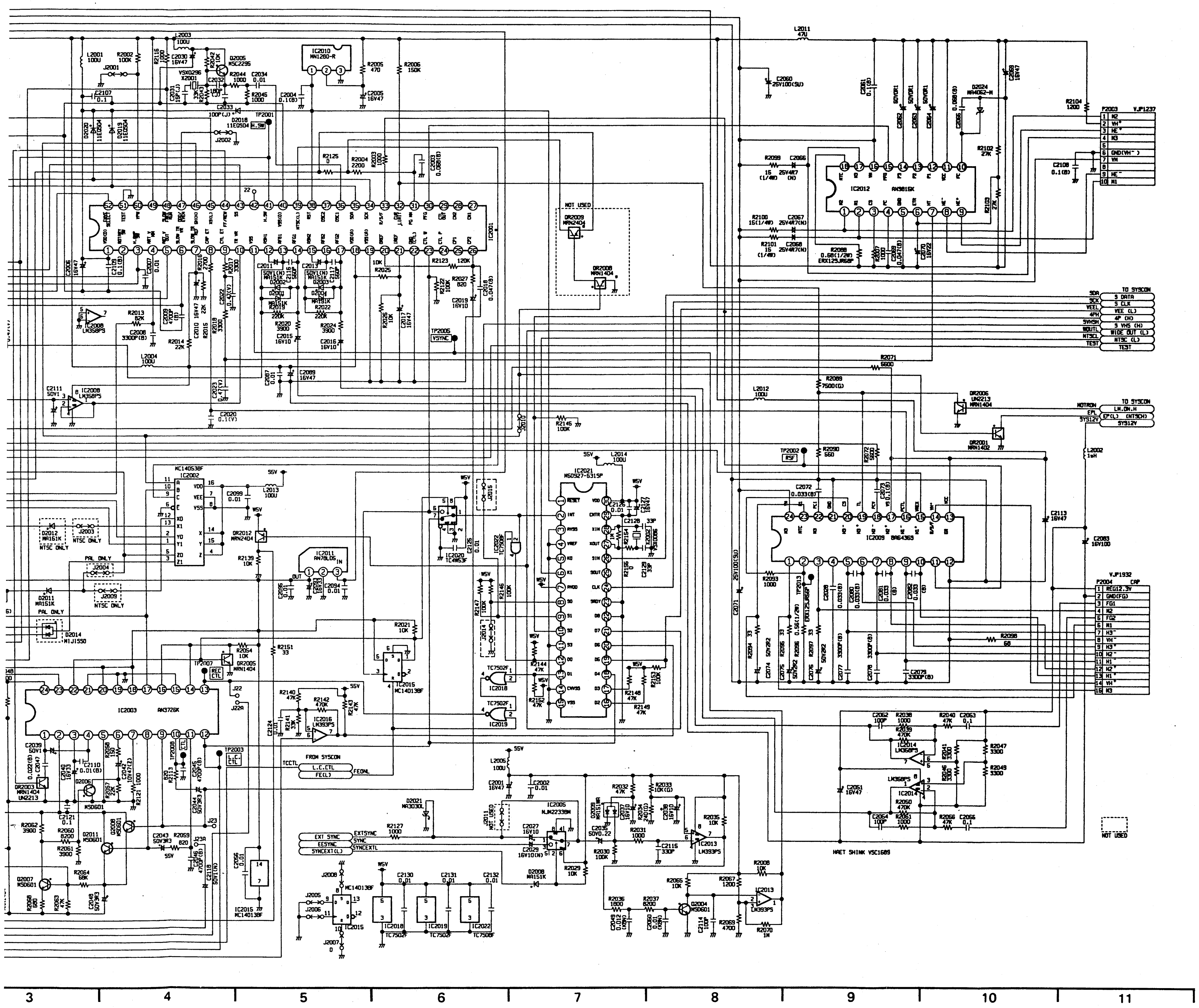
(Page SCM-6)


HEAT SINK VSC1068
UNREG GND 2
VM PROTECT
SYSCON
REG12.3V
N.5W5.4V
UNREG GND1
UNREG 22V
D.GND
TO SYSCON
SSCK
SSDA
CAPFG
GND
TO SYSCON (VIDEO)
H.SW
SLOW(L)
ROTARYSW
H.RSW
ENVSELEC
ARTV/H
TO SYSCON
TRAC VR(+)
TRAC VR(-)
SLOW TRAC(+)
SLOW TRAC(-)
P2005
2mmPICH PACK PIN
PG SHIFT PAL
VLOCK.PAL
NTSC 5V
PG.SHIFT
SP 6V
VLOCK
FWD FIX
REV FIX
SLOW TR
TR FIX
TR VR
SFR+
SFR-
SLOW FREE RUN
EP 5V
TO SYSCON
REV(H)
SRPHT
P2002 VJP1236
WIDE IN
WIDE OUT
TEST
SRPHT
HSW
CAP FG
CTL
GND
SFR
TO CTL HEAD
P2001 VJP1230
CTL GND
CTL HEAD(+)
CTL HEAD(-)
IC2001
IC2002 MC14053BF
IC2003 AN3726K
IC2008 LM358PS
IC2010 MN1280-R
IC2011 AN78L05
IC2012 AN3815K
IC2009 BA6436S
IC2021 M50927-6315P
IC2005 NJM2233BM
IC2013 LM393PS
IC2014 LM358PS
IC2015 MC14013BF
IC2016 LM393PS
IC2017 LM393PS
IC2018 TC7S02F
IC2019 TC7S02F
IC2022 TC7S08F
FROM SYSCON
L.C.CTL
FE(L)
EXT SYNC
EESYNC
SYNCEXTL(L)
NTSC ONLY
PAL ONLY
NOT USED
HAET SHINK VSC1689

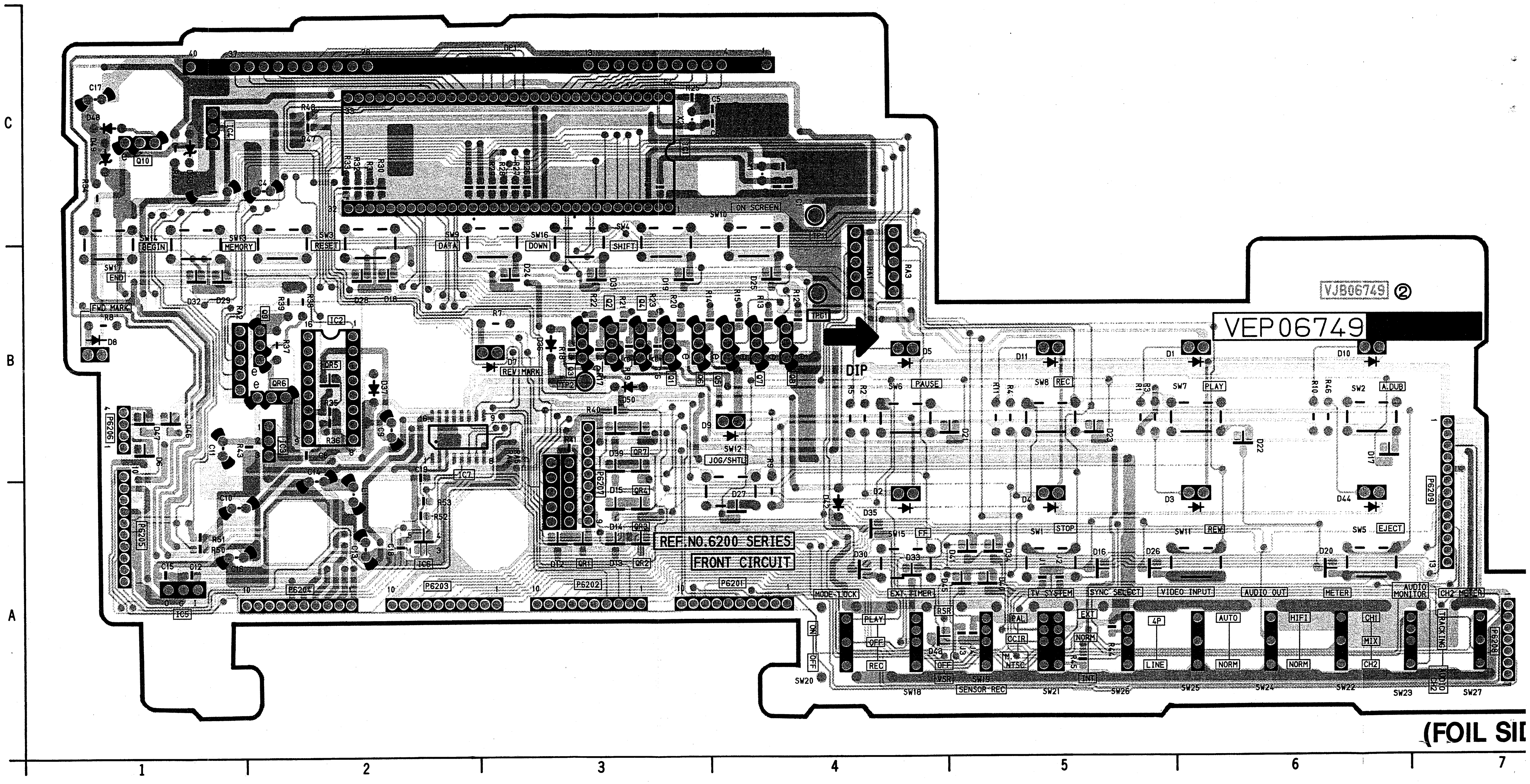
Ref	IC2001
NTSC	MN6742VCRN3
PAL	MN6742VCRD

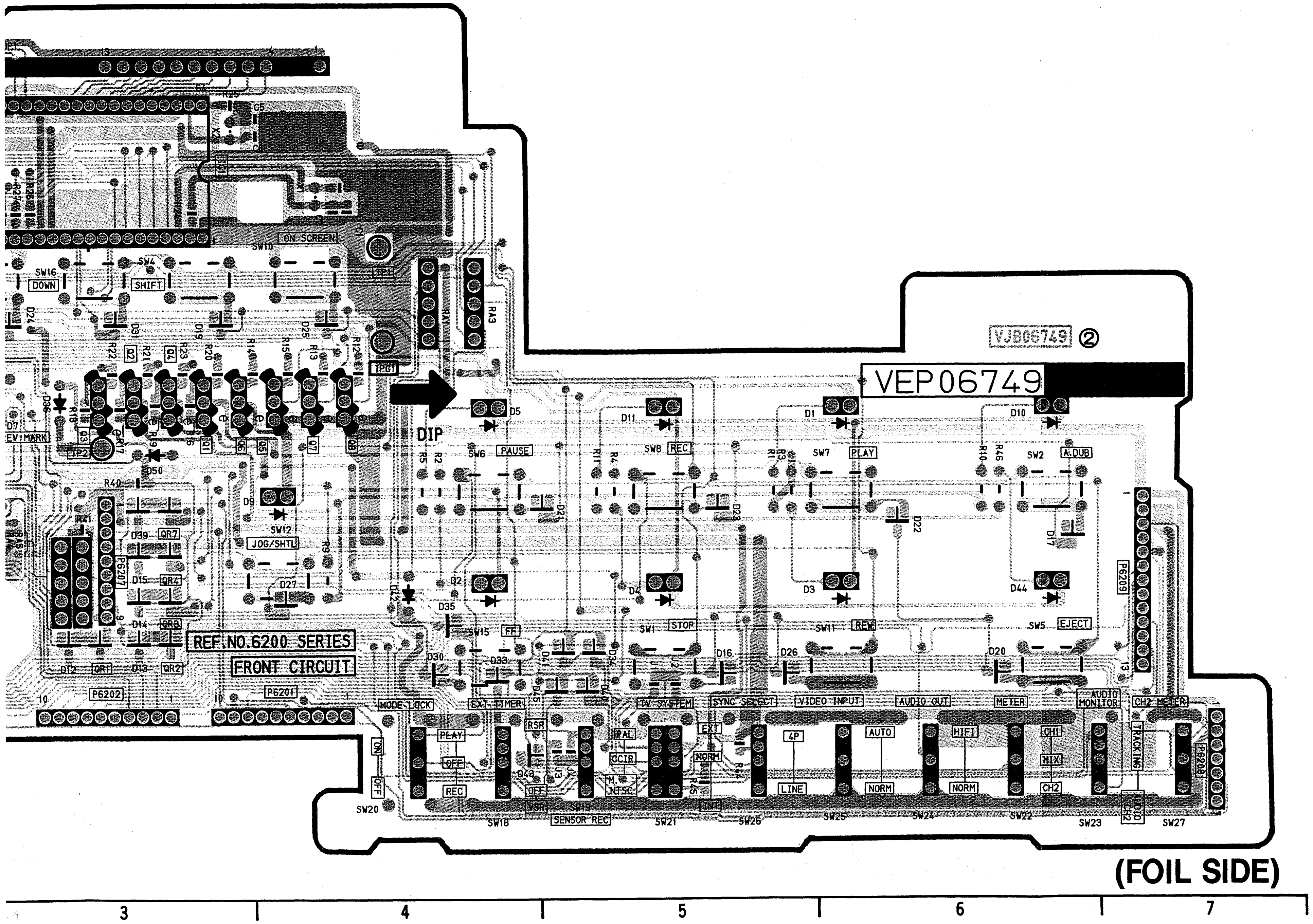
Ref	NTSC	PAL
R2013	82K	22K
C2022	0.47(V)	0.56(V)
C2023	0.47(V)	0.56(V)

AG-7355/7350/7150


IC2001
IC2010 MN1280-R
IC2012 AN3816K
P2003 VJP1237
TO SYSCON
NOT USED
IC2002 MC14053BF
IC2011 AN78L05
IC2021 MSO927-6315P
IC2009 BA6463
P2004 VJP1932 CAP
IC2003 AN3726K
FROM SYSCON
IC2005 NJM2233BM
HAET SHINK V5C1689
3
4
5
6
7
8
9
10
11

FRONT C.B.A. AG-7355/7350/7150
(Page SCM-22)


C
B
A
1
2
3
4
5
6
7
(FOIL SI
VEP06749
VJB06749 ②
REF.NO.6200 SERIES
FRONT CIRCUIT
DIP
ON SCREEN
BEGIN
MEMORY
RESET
DATA
DOWN
SHIFT
END
FWD.MARK
REV.MARK
JOG/SHTL
PAUSE
REC
PLAY
A.DUB
STOP
FF
REW
EJECT
MODE LOCK
EXT.TIMER
TV SYSTEM
SYNC SELECT
VIDEO INPUT
AUDIO OUT
METER
AUDIO MONITOR
CH2 METER
SENSOR REC
PAL
CCIR
NTSC
EXT
NORM
INT
4P
LINE
AUTO
NORM
HIFI
NORM
CH1
MIX
CH2
TRACKING
ON
OFF
RSR
VSR
P6201
P6202
P6203
P6204
P6205
P6206
P6207
P6208
P6209
IC1
IC2
IC5
IC6
IC7
Q10
QR1
QR2
QR3
QR4
QR5
QR6
QR7
RA1
RA3
SW1
SW2
SW3
SW4
SW5
SW6
SW7
SW8
SW9
SW10
SW11
SW12
SW13
SW14
SW15
SW16
SW17
SW18
SW19
SW20
SW21
SW22
SW23
SW24
SW25
SW26
SW27
TP1
TP2

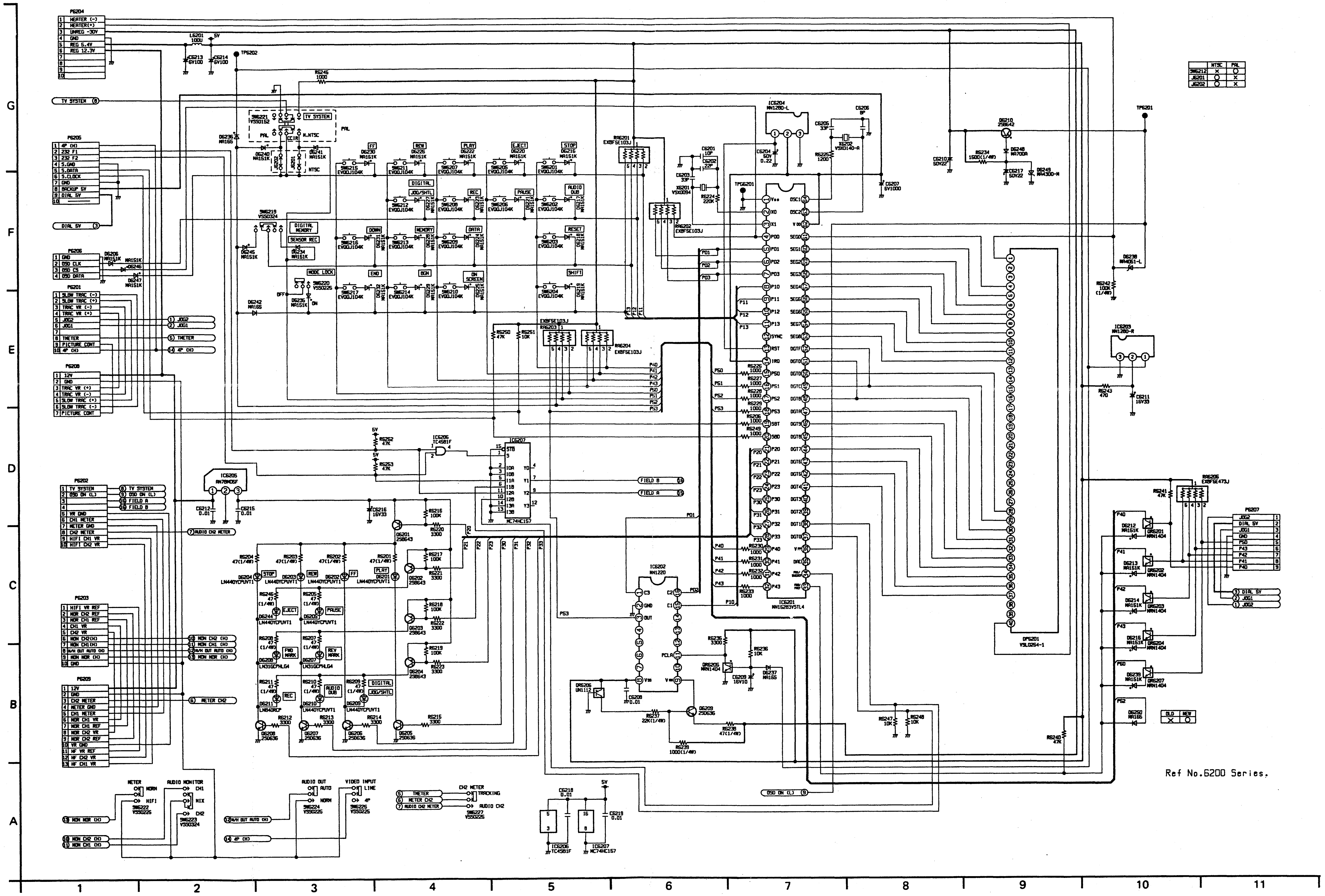

VJB06749 ②
VEP06749
DIP
ON SCREEN
SW10
SW16
DOWN
SHIFT
EV.MARK
JOG/SHTL
SW12
PAUSE
SW6
REC
SW8
PLAY
SW7
A.DUB
SW2
FF
SW15
STOP
SW1
REW
SW11
EJECT
SW5
REF.NO.6200 SERIES
FRONT CIRCUIT
P6202
P6201
P6207
P6209
P6208
MODE LOCK
EXT. TIMER
TV SYSTEM
SYNC SELECT
VIDEO INPUT
AUDIO OUT
METER
AUDIO MONITOR
CH2 METER
PLAY
OFF
REC
ON
OFF
SW20
SW18
RSR
VSR
OFF
SW19
SENSOR REC
PAL
CCIR
M.NTSC
SW21
EXT
NORM
INT
SW26
4P
LINE
SW25
AUTO
NORM
SW24
HIFI
NORM
SW22
CH1
MIX
CH2
SW23
TRACKING
AUDIO CH2
SW27
(FOIL SIDE)
3
4
5
6
7

FRONT
C.B.A.

Ttansistor	
Q6201	B-3
Q6202	B-3
Q6203	B-3
Q6204	B-3
Q6205	B-4
Q6206	B-3
Q6207	B-4
Q6208	B-4
Q6209	B-2
Q6210	C-1
Transistor & Resistor	
QR6201	A-3
QR6202	A-3
QR6203	A-3
QR6204	A-3
QR6205	B-2
QR6206	B-2
QR6207	B-3
Integrated Circuit	
IC6201	C-3
IC6202	B-2
IC6203	B-2
IC6204	C-1
IC6205	A-1
IC6206	A-2
IC6207	B-2
Test Point	
TP6201	C-4
TP6202	B-3
TPG6201	B-4
Connector	
P6201	A-4
P6202	A-3
P6203	A-2
P6204	A-2
P6205	A-1
P6206	B-1
P6207	B-3
P6208	A-7
P6209	A-7

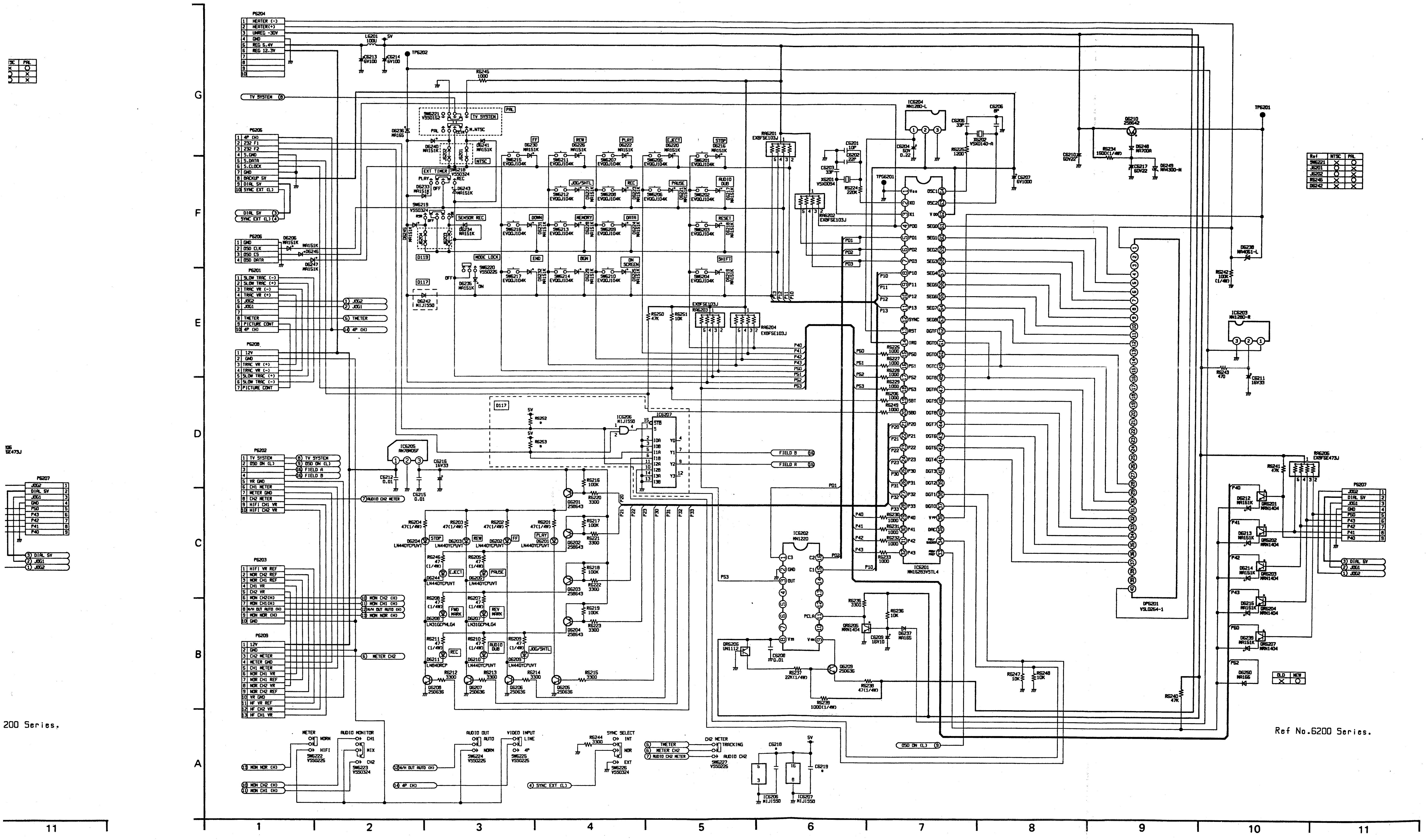
FRONT SCHEMATIC DIAGRAM AG7355

(Page SCM-23)


P6204
HEATER (-)
HEATER(+)
UNREG -30V
GND
REG 5.4V
REG 12.3V
P6205
P6206
P6201
P6208
P6202
P6203
P6209
TV SYSTEM
DIAL 5V
IC6201
MN15283VSTL4
IC6202
MN1220
IC6203
MN1280-R
IC6204
MN1280-L
IC6205
AN78M05F
IC6206
TC4S81F
IC6207
MC74HC157
DP6201
VSL0264-1
FIELD B
FIELD A
OSD ON (L)
STOP
REW
PLAY
EJECT
FF
PAUSE
REC
DIGITAL
JOG/SHTL
AUDIO DUB
MEMORY
DATA
RESET
DOWN
END
SHIFT
SEARCH
ON SCREEN
MODE LOCK
DIGITAL MEMORY
SENSOR REC
FWD MARK
REV MARK
METER
AUDIO MONITOR
AUDIO OUT
VIDEO INPUT
CH2 METER
TRACKING
AUDIO CH2
OLD
NEW
Ref No.6200 Series.
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11

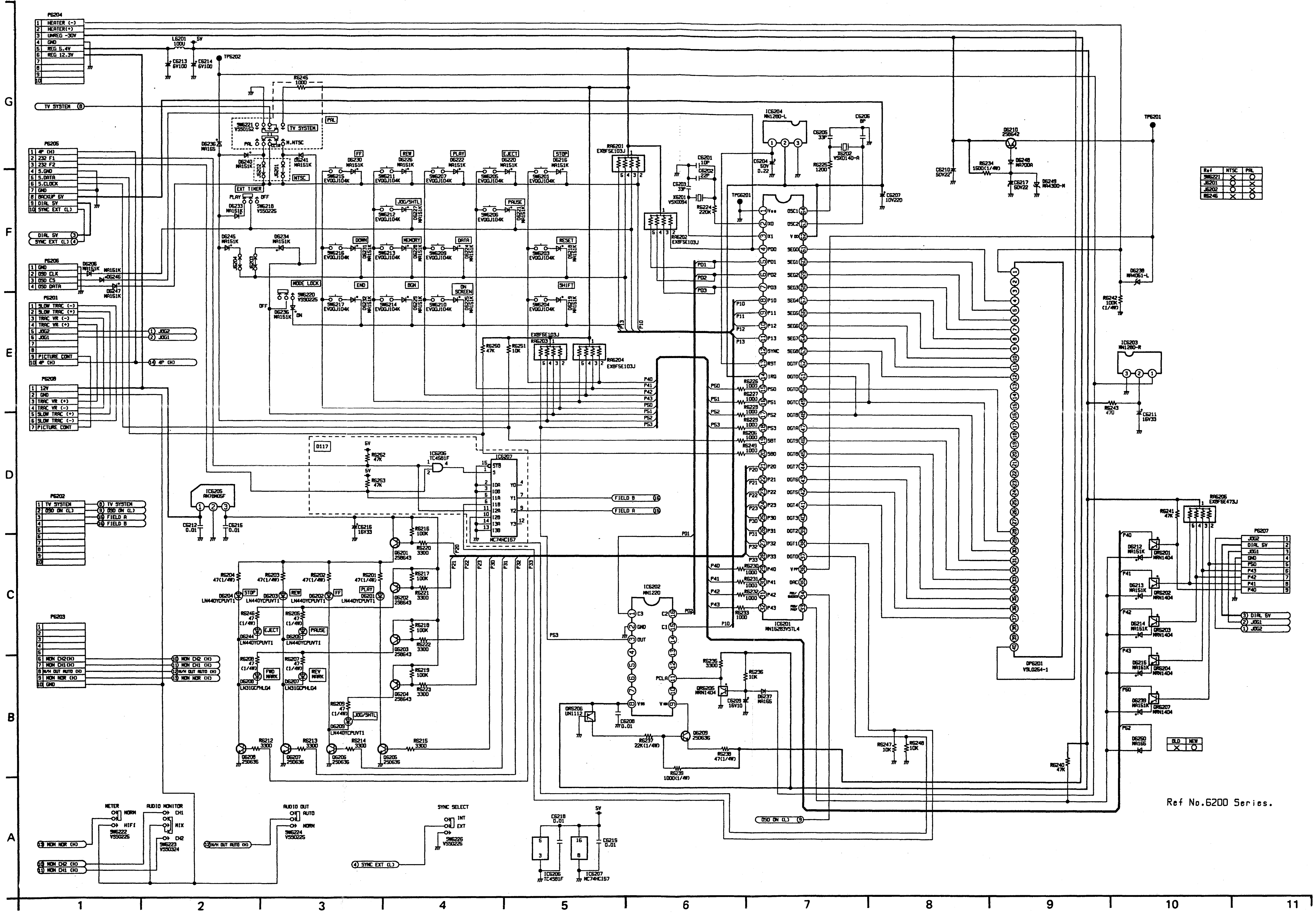
	NTSC	PAL
SW6212	×	○
J6201	○	×
J6202	○	×

FRONT SCHEMATIC DIAGRAM AG-7350
(Page SCM-23)



P6204
HEATER (-)
HEATER (+)
UNREG -30V
GND
REG 5.4V
REG 12.3V
TV SYSTEM
P6205
P6206
P6201
P6208
P6202
P6203
P6209
P6207
IC6201
MN15283VSTL4
IC6202
MN1220
IC6203
MN1280-R
IC6204
MN1280-L
IC6205
AN78M05F
IC6206
M1J1550
IC6207
DP6201
VSL0264-1
FIELD B
FIELD A
OSD ON (L)
DIAL 5V
JOG1
JOG2
TMETER
4P (H)
AUDIO CH2 METER
METER CH2
SYNC EXT (L)
METER
AUDIO MONITOR
AUDIO OUT
VIDEO INPUT
SYNC SELECT
CH2 METER
PLAY
REW
FF
STOP
EJECT
PAUSE
REC
AUDIO DUB
JOG/SHTL
DOWN
MEMORY
DATA
RESET
END
BGN
ON SCREEN
SHIFT
MODE LOCK
SENSOR REC
EXT TIMER
TPG6201
TP6202
200 Series.
Ref No.6200 Series.
G
F
E
D
C
B
A
11
1
2
3
4
5
6
7
8
9
10
11

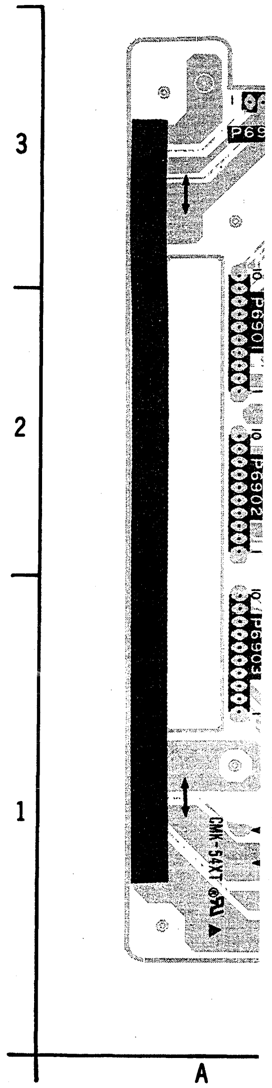
FRONT SCHEMATIC DIAGRAM AG-7150
(Page SCM-23)


P6204
HEATER (-)
HEATER(+)
UNREG -30V
GND
REG 5.4V
REG 12.3V
TV SYSTEM
P6205
4F (H)
232 F1
232 F2
S.GND
S.DATA
S.CLOCK
GND
BACKUP 5V
DIAL 5V
SYNC EXT (L)
P6206
GND
OSD CLK
OSD CS
OSD DATA
P6201
SLOW TRAC (-)
SLOW TRAC (+)
TRAC VR (-)
TRAC VR (+)
JOG2
JOG1
PICTURE CONT
P6208
12V
P6202
OSD ON (L)
FIELD A
FIELD B
P6203
MON CH2 (H)
MON CH1 (H)
MON NOR (H)
GND
FF
REW
PLAY
EJECT
STOP
JOG/SHTL
PAUSE
DOWN
MEMORY
DATA
RESET
MODE LOCK
END
BGM
ON SCREEN
SHIFT
EXT TIMER
PAL
NTSC
IC6204 MN1280-L
IC6201 MN15283VSTL4
IC6202 MN1220
IC6203 MN1280-N
IC6205 AN78M05F
IC6206 TC4581F
IC6207 MC74HC157
DP6201 V9L0264-1
METER
AUDIO MONITOR
AUDIO OUT
SYNC SELECT
P6207
OSD ON (L)
Ref No.6200 Series.
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11

Ref	NTSC	PAL
SW6221	✕	○
J6201	○	✕
J6202	○	✕
R6246	✕	○

REAR JACK

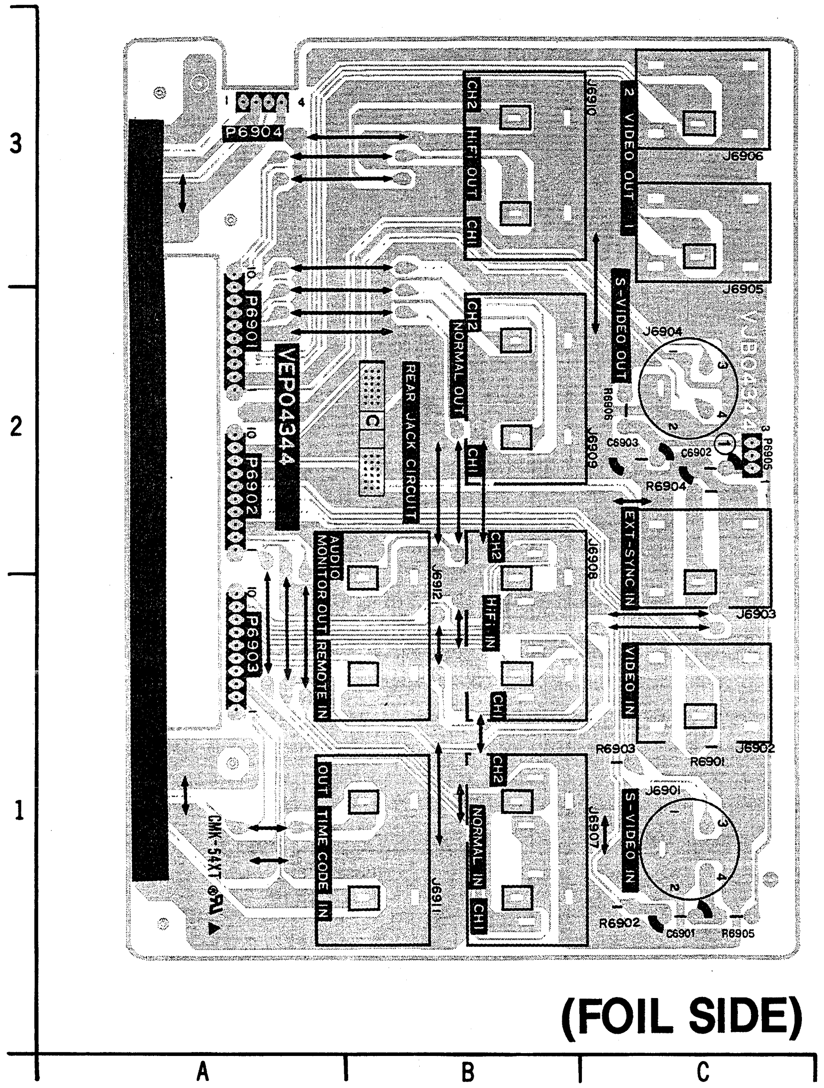
(Page SCM-25)



REARJACK
C.B.A.

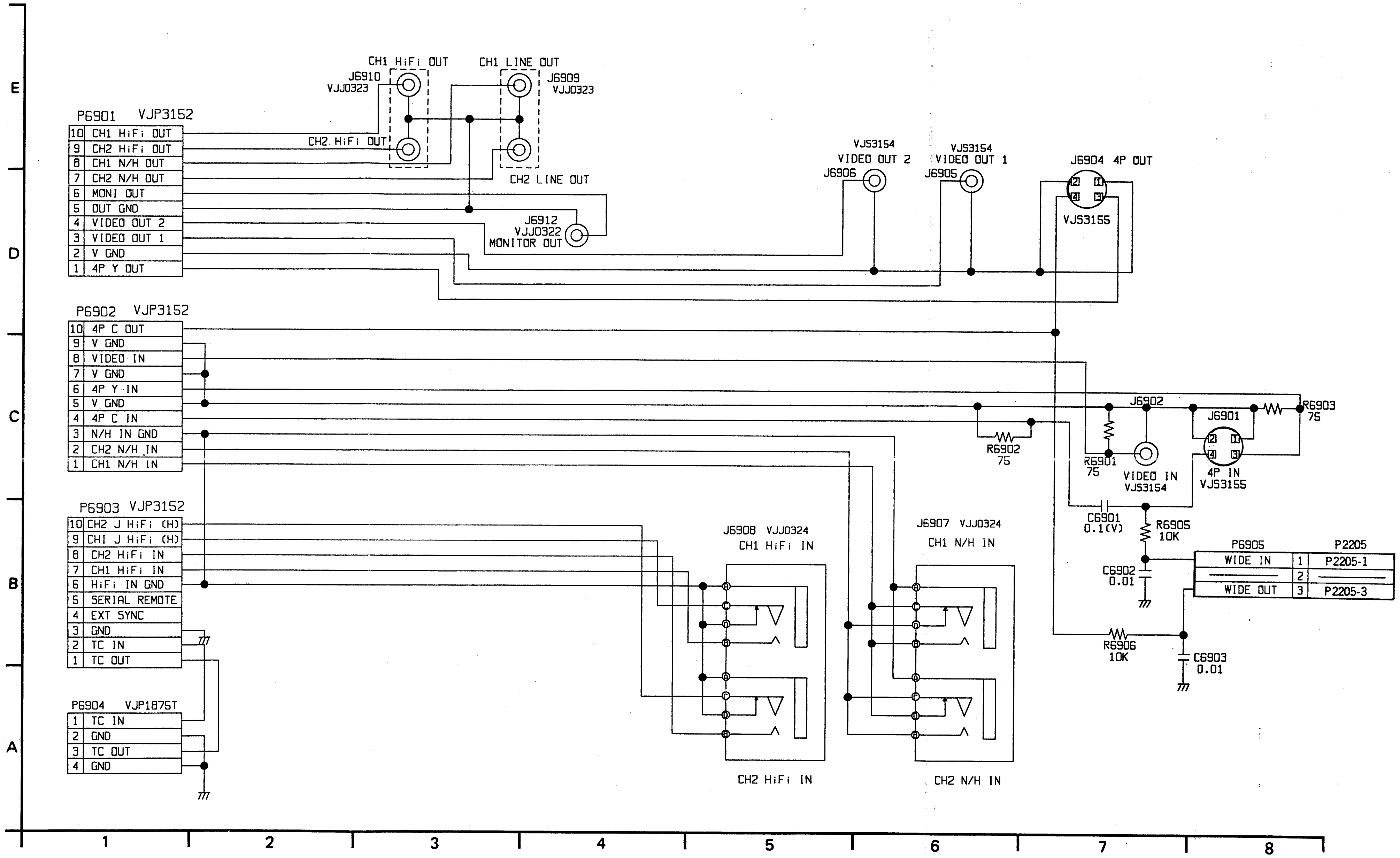
Connector	
P6901	A-2
P6902	A-2
P6903	A-1
P6904	A-3

REAR JACK C.B.A. AG-7355/7350/7150
(Page SCM-25)



(FOIL SIDE)
VEP04344
REAR JACK CIRCUIT
P6901
P6902
P6903
P6904
J6901
J6902
J6903
J6904
J6905
J6906
J6907
J6908
J6909
J6910
J6911
J6912
R6901
R6902
R6903
R6904
R6905
R6906
C6901
C6902
C6903
HiFi OUT
NORMAL OUT
S-VIDEO OUT
VIDEO OUT 1
VIDEO OUT 2
EXT-SYNC IN
VIDEO IN
S-VIDEO IN
HiFi IN
NORMAL IN
AUDIO MONITOR OUT
REMOTE IN
TIME CODE IN
OUT
CH1
CH2
3
2
1
A
B
C

REAR JACK SCHEMATIC DIAGRAM AG-7355
(Page SCM-25)

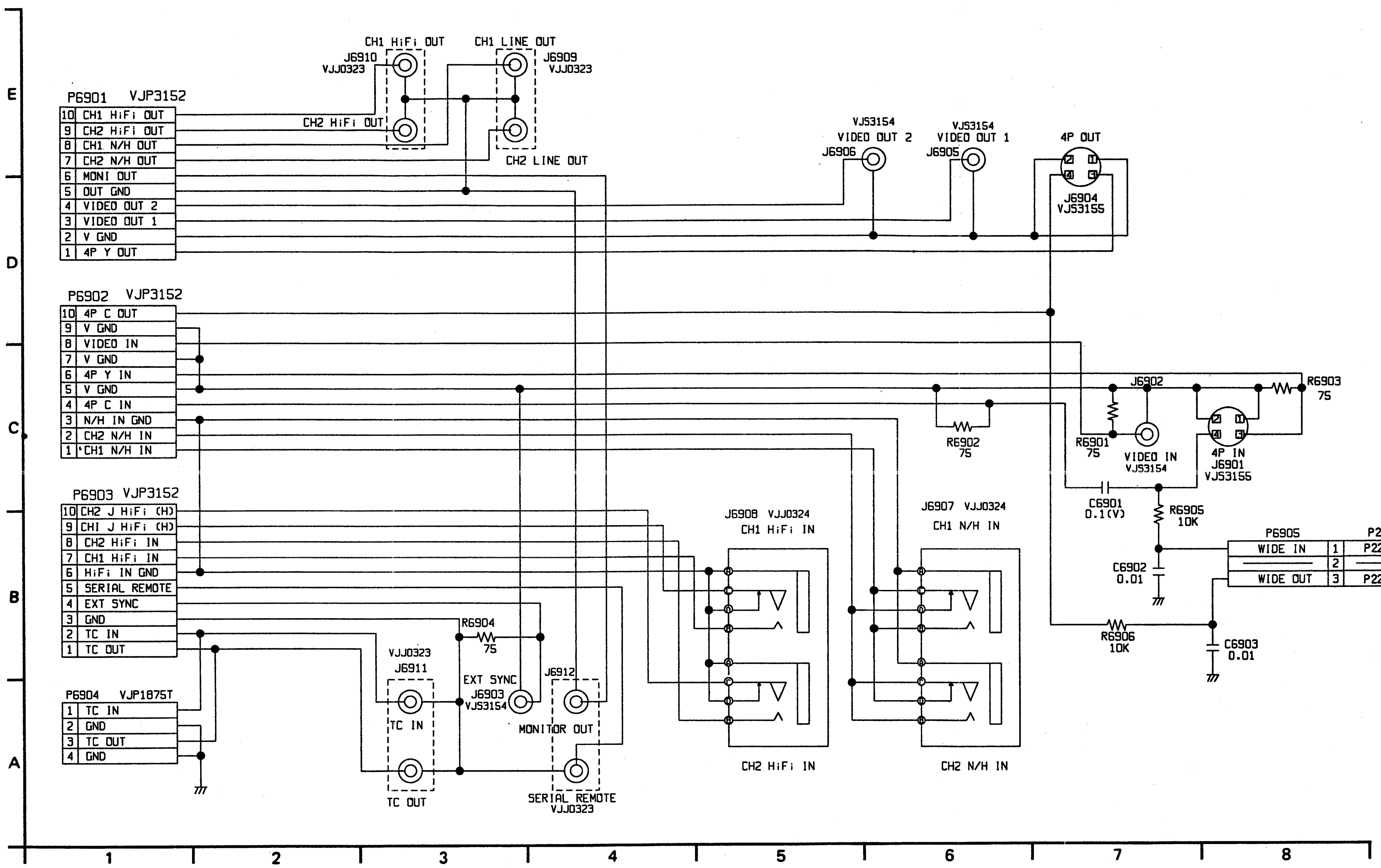


CH1 HiFi OUT
CH1 LINE OUT
J6910 VJJ0323
J6909 VJJ0323
CH2 HiFi OUT
CH2 LINE OUT
J6912 VJJ0322 MONITOR OUT
VJS3154 VIDEO OUT 2 J6906
VJS3154 VIDEO OUT 1 J6905
J6904 4P OUT VJS3155
P6901 VJP3152
10 CH1 HiFi OUT
9 CH2 HiFi OUT
8 CH1 N/H OUT
7 CH2 N/H OUT
6 MONI OUT
5 OUT GND
4 VIDEO OUT 2
3 VIDEO OUT 1
2 V GND
1 4P Y OUT
P6902 VJP3152
10 4P C OUT
9 V GND
8 VIDEO IN
7 V GND
6 4P Y IN
5 V GND
4 4P C IN
3 N/H IN GND
2 CH2 N/H IN
1 CH1 N/H IN
P6903 VJP3152
10 CH2 J HiFi (H)
9 CH1 J HiFi (H)
8 CH2 HiFi IN
7 CH1 HiFi IN
6 HiFi IN GND
5 SERIAL REMOTE
4 EXT SYNC
3 GND
2 TC IN
1 TC OUT
P6904 VJP1875T
1 TC IN
2 GND
3 TC OUT
4 GND
J6902
J6901
R6903 75
R6902 75
R6901 75
VIDEO IN VJS3154
4P IN VJS3155
C6901 0.1(V)
R6905 10K
C6902 0.01
R6906 10K
C6903 0.01
P6905
P2205
1 WIDE IN P2205-1
2
3 WIDE OUT P2205-3
J6908 VJJ0324 CH1 HiFi IN
CH2 HiFi IN
J6907 VJJ0324 CH1 N/H IN
CH2 N/H IN
E
D
C
B
A
1
2
3
4
5
6
7
8

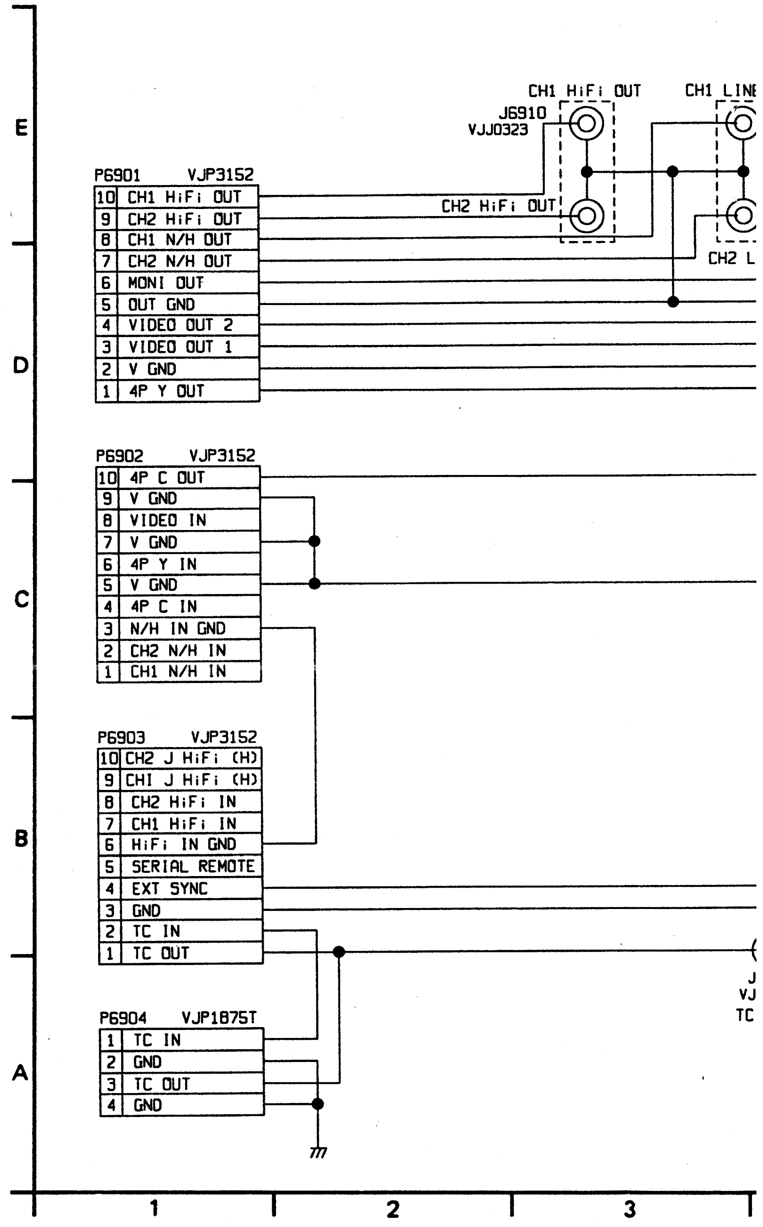
REARJACK C.B.A.

Connector	
P6901	A-2
P6902	A-2
P6903	A-1
P6904	A-3

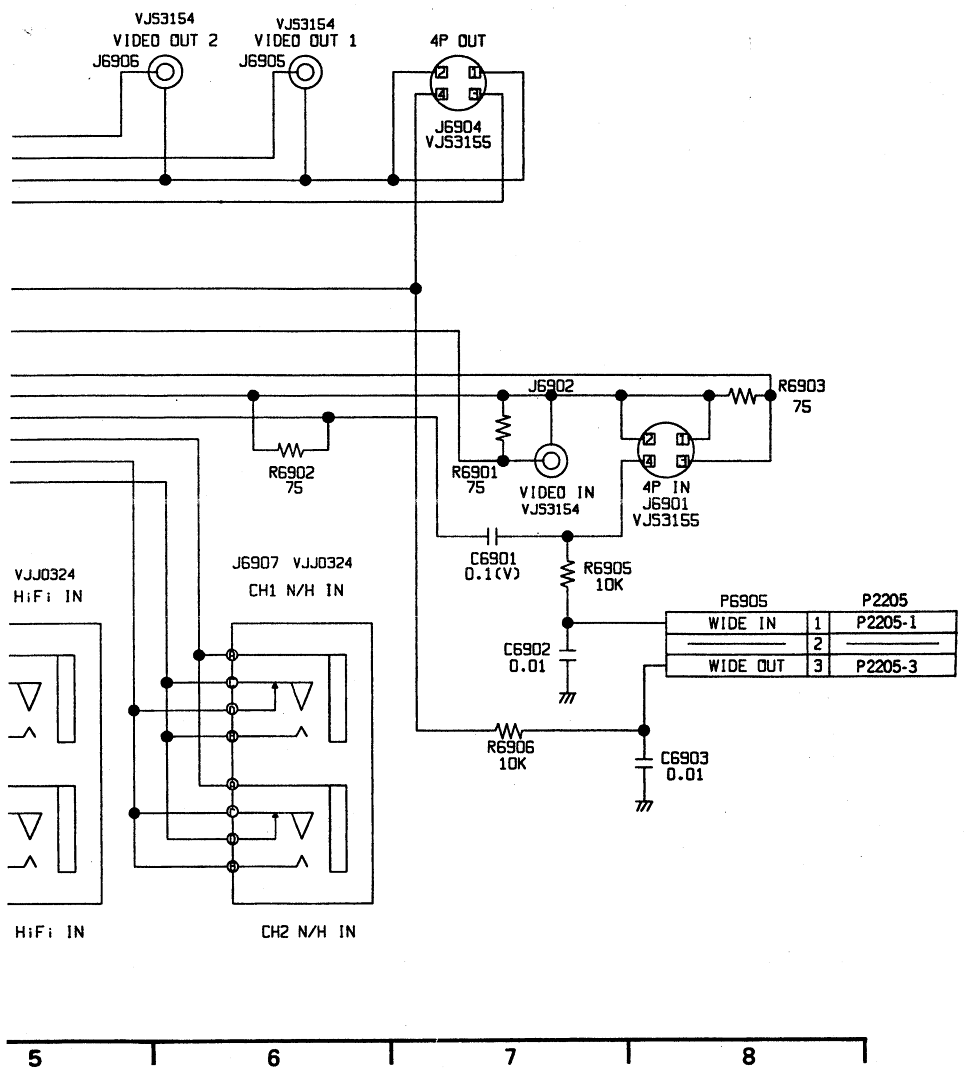
REAR JACK SCHEMATIC DIAGRAM AG-7350
(Page SCM-25)

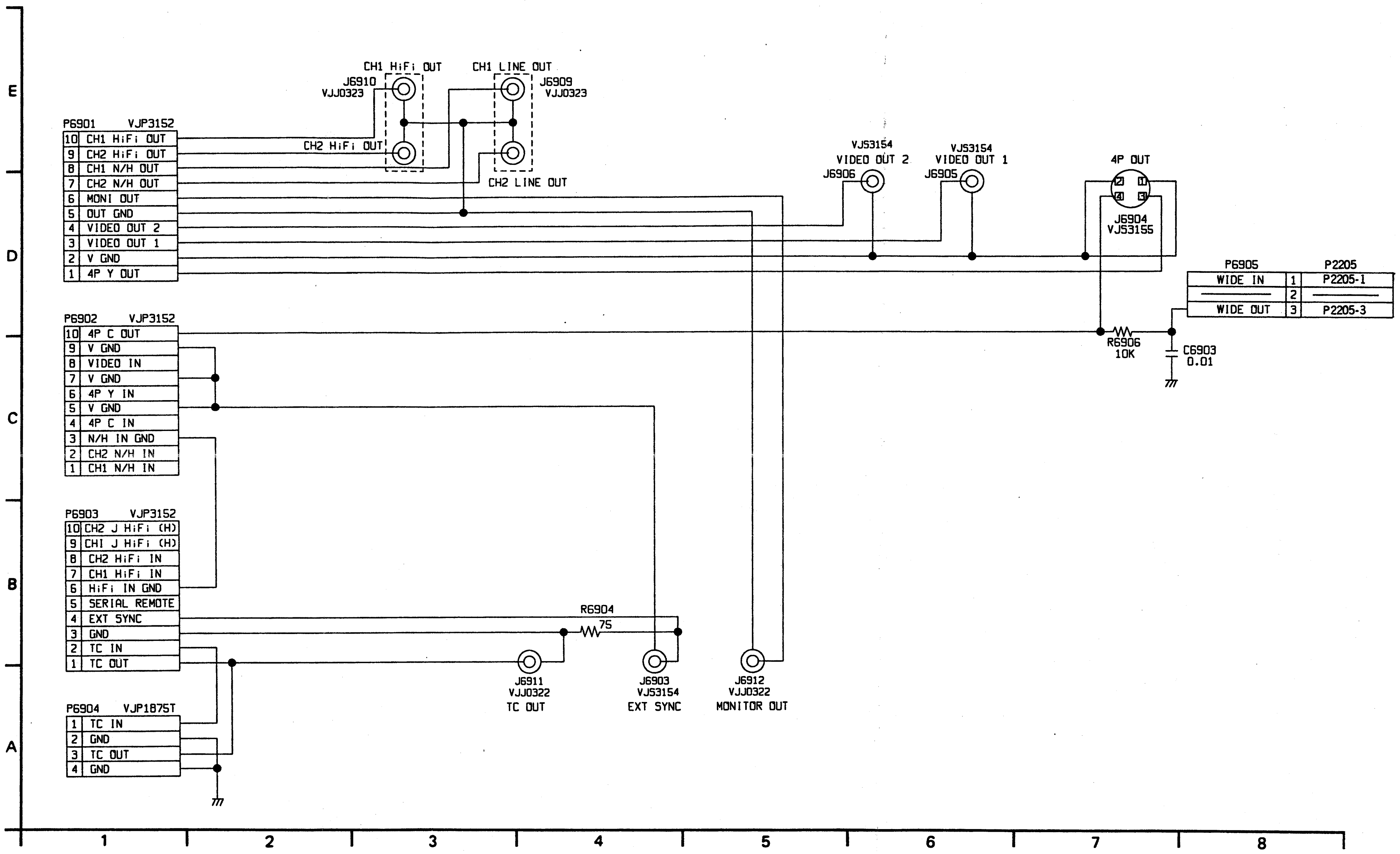

E
D
C
B
A
1
2
3
4
5
6
7
8
P6901 VJP3152
10 CH1 HiFi OUT
9 CH2 HiFi OUT
8 CH1 N/H OUT
7 CH2 N/H OUT
6 MONI OUT
5 OUT GND
4 VIDEO OUT 2
3 VIDEO OUT 1
2 V GND
1 4P Y OUT
P6902 VJP3152
10 4P C OUT
9 V GND
8 VIDEO IN
7 V GND
6 4P Y IN
5 V GND
4 4P C IN
3 N/H IN GND
2 CH2 N/H IN
1 CH1 N/H IN
P6903 VJP3152
10 CH2 J HiFi (H)
9 CH1 J HiFi (H)
8 CH2 HiFi IN
7 CH1 HiFi IN
6 HiFi IN GND
5 SERIAL REMOTE
4 EXT SYNC
3 GND
2 TC IN
1 TC OUT
P6904 VJP1875T
1 TC IN
2 GND
3 TC OUT
4 GND
CH1 HiFi OUT
J6910
VJJ0323
CH2 HiFi OUT
CH1 LINE OUT
J6909
VJJ0323
CH2 LINE OUT
VJS3154
VIDEO OUT 2
J6906
VJS3154
VIDEO OUT 1
J6905
4P OUT
J6904
VJS3155
J6902
R6903
75
R6902
75
R6901
75
VIDEO IN
VJS3154
4P IN
J6901
VJS3155
C6901
0.1(V)
R6905
10K
C6902
0.01
R6906
10K
C6903
0.01
P6905
WIDE IN
WIDE OUT
P2205
1 P2205-1
2
3 P2205-3
J6908 VJJ0324
CH1 HiFi IN
CH2 HiFi IN
J6907 VJJ0324
CH1 N/H IN
CH2 N/H IN
VJJ0323
J6911
TC IN
TC OUT
R6904
75
EXT SYNC
J6903
VJS3154
J6912
MONITOR OUT
SERIAL REMOTE
VJJ0323

REAR JACK SCHEMATIC DIAGRAM
(Page SCM-25)


E
D
C
B
A
1
2
3
CH1 HiFi OUT
J6910
VJJ0323
CH2 HiFi OUT
P6901 VJP3152
10 CH1 HiFi OUT
9 CH2 HiFi OUT
8 CH1 N/H OUT
7 CH2 N/H OUT
6 MONI OUT
5 OUT GND
4 VIDEO OUT 2
3 VIDEO OUT 1
2 V GND
1 4P Y OUT
P6902 VJP3152
10 4P C OUT
9 V GND
8 VIDEO IN
7 V GND
6 4P Y IN
5 V GND
4 4P C IN
3 N/H IN GND
2 CH2 N/H IN
1 CH1 N/H IN
P6903 VJP3152
10 CH2 J HiFi (H)
9 CH1 J HiFi (H)
8 CH2 HiFi IN
7 CH1 HiFi IN
6 HiFi IN GND
5 SERIAL REMOTE
4 EXT SYNC
3 GND
2 TC IN
1 TC OUT
P6904 VJP1875T
1 TC IN
2 GND
3 TC OUT
4 GND

REAR JACK SCHEMATIC DIAGRAM AG-7150
(Page SCM-25)


VJ53154
VIDEO OUT 2
J6906
VJ53154
VIDEO OUT 1
J6905
4P OUT
J6904
VJ53155
J6902
R6903
75
R6902
75
R6901
75
VIDEO IN
VJ53154
4P IN
J6901
VJ53155
C6901
0.1(V)
R6905
10K
C6902
0.01
P6905
P2205
WIDE IN
1
P2205-1
2
WIDE OUT
3
P2205-3
R6906
10K
C6903
0.01
VJJ0324
HiFi IN
J6907 VJJ0324
CH1 N/H IN
HiFi IN
CH2 N/H IN
5
6
7
8


E
D
C
B
A
CH1 HiFi OUT
CH1 LINE OUT
J6910
VJJ0323
J6909
VJJ0323
CH2 HiFi OUT
CH2 LINE OUT
P6901 VJP3152
10 CH1 HiFi OUT
9 CH2 HiFi OUT
8 CH1 N/H OUT
7 CH2 N/H OUT
6 MONI OUT
5 OUT GND
4 VIDEO OUT 2
3 VIDEO OUT 1
2 V GND
1 4P Y OUT
VJ53154
VIDEO OUT 2
J6906
VJ53154
VIDEO OUT 1
J6905
4P OUT
J6904
VJ53155
P6905
P2205
WIDE IN
1
P2205-1
2
WIDE OUT
3
P2205-3
R6906
10K
C6903
0.01
P6902 VJP3152
10 4P C OUT
9 V GND
8 VIDEO IN
7 V GND
6 4P Y IN
5 V GND
4 4P C IN
3 N/H IN GND
2 CH2 N/H IN
1 CH1 N/H IN
P6903 VJP3152
10 CH2 J HiFi (H)
9 CHI J HiFi (H)
8 CH2 HiFi IN
7 CH1 HiFi IN
6 HiFi IN GND
5 SERIAL REMOTE
4 EXT SYNC
3 GND
2 TC IN
1 TC OUT
R6904
75
J6911
VJJ0322
TC OUT
J6903
VJ53154
EXT SYNC
J6912
VJJ0322
MONITOR OUT
P6904 VJP1875T
1 TC IN
2 GND
3 TC OUT
4 GND
1
2
3
4
5
6
7
8

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP06848F	P.C.BOARD W/COMPONENT		FOR AG-7350E/B
			SERVO & SYSTEM CONTROL		
BAT6001		VSB0173	BATTRY	1	
C1901,02		ECEA1EU331	E.CAPACITOR 25V 330U	2	
C1903		ECEA1VKA470	E.CAPACITOR 35V 47U	1	
C1904		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1905		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C1906		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C1907		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	1	
C1908-10		ECEA1HKA010	E.CAPACITOR 50V 1U	3	
C1911		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1912,13		ECEA1EU221	E.CAPACITOR 25V 220U	2	
C1914		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1915		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2001		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2002		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2003		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2004		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2005,06		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C2007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2008		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C2009		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C2010		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2011		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2015,16		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2017		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2018		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2019		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2020		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2022,23		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	2	
C2027		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2030		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2031		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2032		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2033		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2034		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2035		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2036		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2037,38		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2039		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2040,41		ECEA1CKA330	E.CAPACITOR 16V 33U	2	
C2042		ECEA10Z47	E.CAPACITOR 10V	1	
C2043,44		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	2	
C2045,46		ECQB1H472JF	P.CAPACITOR 50V 4700P	2	
C2047		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C2048		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C2049		ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	
C2050		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2051		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2052		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2053		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2054		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2055		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2057,58		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2059		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2060		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2061		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2062-64		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	3	
C2065		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2066-68		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	3	
C2069		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2070		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2071		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2072		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2073		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2074-76		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2077-79		ECQB1H332JF	P.CAPACITOR 50V 3300P	3	
C2080-82		ECQB1H333JF	P.CAPACITOR 50V 0.033U	3	
C2083		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2084		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2085,86		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2087		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2088		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2089		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2090		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2091		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2092		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2093		ECEA1CKA330	E.CAPACITOR 16V 33U	1	
C2094,95		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2096,97		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2098,99		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2100		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C2101-05		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	5	
C2106		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C2107		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2108,09		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C2110		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2111		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2113		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2114		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2115		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2116,17		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C2118		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2121		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2122		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2124-26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2127		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2128,29		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2130-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2150		ECKF1H561KB	C.CAPACITOR 50V 560P	1	
C6001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6002		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C6003		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6004-06		ECQB1H104JF	P.CAPACITOR 50V 0.1U	3	
C6007		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6009		ECEA1CU102B	E.CAPACITOR 16V 1000U	1	
C6010		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6011		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6012		ECEA1CU102B	E.CAPACITOR 16V 1000U	1	
C6014		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6015		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C6016,17		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C6018		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6019		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C6020		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C6021		ECEA1CN101	E.CAPACITOR 16V 100U	1	
C6022		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6023		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6024		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6025,26		ECEA1ASS332	E.CAPACITOR 10V 3300U	2	
C6027		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C6029		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C6030		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6032		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6033,34		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6035,36		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6037,38		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C6039		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6040		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6041		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6043		ECEA1HKA010	E.CAPACITOR 50V 1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6044-46		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	3	
C6048		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6049,50		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6051		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6052		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C6053		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6054		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6057		ECEA1ASS332	E.CAPACITOR 10V 3300U	1	
C6059,60		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C6061		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
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D1903,04		11EQS04	DIODE	2	<R>
D1905		MA151K	DIODE	1	<R>
D2001-04		MA151K	DIODE	4	<R>
D2005		MA723VT	DIODE	1	<R>
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D2008		MA151K	DIODE	1	<R>
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D2018-20		11EQS04	DIODE	3	<R>
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D6001		11EQS04	DIODE	1	<R>
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D6003,04		MA151K	DIODE	2	<R>
D6005		10E1	DIODE	1	<R>
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IC6003		LM339NS	IC	1	<R>

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IC6005		M54649L	IC	1	<R>
IC6006		MN4019BS	IC	1	<R>
IC6007		LM393PS	IC	1	<R>
IC6008		MN1280R	IC	1	<R>
IC6009		AN78M12	IC	1	<R>
IC6010		MN4019BS	IC	1	<R>
IC6011		LM339NS	IC	1	<R>
IC6012		MN1280R	IC	1	<R>
J2001,02		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J2004-08		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	5	
J2010		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2012		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J6003,04		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L1901,02		ELC10E014	COIL	2	
L1903		VLQ0460	COIL	1	
L2001		VLQ0460	COIL	1	
L2002		VLQEL05K102J	COIL	1	
L2003-05		VLQ0460	COIL	3	
L2006-10		VLQEL05K221J	COIL	5	
L2011		VLQEL05K470J	COIL	1	
L2012-14		VLQ0460	COIL	3	
L6001		VLQEL05K471J	COIL	1	
L6002		VLQEL05K150J	COIL	1	
L6003-06		VLQEL05K221J	COIL	4	
L6007		VLQ0460	COIL	1	
P2001		VJP1230T	CONNECTOR (MALE)	1	
P2002		VJP1236T	CONNECTOR (MALE)	1	
P2003		VJP3078	CONNECTOR (MALE)	1	
P2004		VJP3083	CONNECTOR (MALE)	1	
P2201,02		VJR0477	PACK PIN	2	
P6001-03		VJS2123	CONNECTOR (FEMALE)	3	
P6004		VJP3078	CONNECTOR (MALE)	1	
P6005		VJP3079	CONNECTOR (MALE)	1	
P6006		VJP1232T	CONNECTOR (MALE)	1	
P6007		VJS2650A004Z	CONNECTOR (FEMALE)	1	
P6008		VJP1235T	CONNECTOR (MALE)	1	
P6009		VJP3079	CONNECTOR (MALE)	1	
P6010		VJP1230G	CONNECTOR (MALE)	1	
P6011		VJP3078	CONNECTOR (MALE)	1	
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Q1902,03		2SB772	TRANSISTOR	2	<R>
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Q6003,04		2SB819	TRANSISTOR	2	<R>
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Q6007		2SD636-R	TRANSISTOR	1	<R>
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Q6010-12		MSD601-R	TRANSISTOR	3	<R>
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Q6014,15		MSD601-R	TRANSISTOR	2	<R>
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QR2005-07		MRN1404	T
QR2012		MRN2404	T
QR6001		MRN1403	T
QR6002,03		MRN1404	T
QR6004		DTA143XK	T
QR6006		MRN1402	T
QR6007		MRN1404	T
QR6008		MRN2404	T
QR6009		MRN2402	T
QR6010		MRN1404	T
QR6011		MRN2404	T
QR6012		MRN1403	T
QR6013		MRN1404	T
QR6014		UN2215	T
QR6015-18		MRN1404	T
QR6019,20		MRN2402	T
QR6021-24		MRN1404	T
QR6025		MRN2404	T
QR6026-30		MRN1404	T
R1901		ERQ12HJ3R9	F
R1902		ERJ6GEYJ681	M
R1903		ERJ6GEYJ563	M
R1904,05		ERJ6GEYJ154	M
R1906		ERX12SJR82	M
R1907		ERJ6GEYJ391	M
R1908		ERJ6GEYJ182	M
R1909		ERX12SJR82	M
R1910		ERJ6GEYJ391	M
R1911		ERJ6GEYJ182	M
R2001		ERJ6GEYJ102	M
R2002		ERJ6GEYJ104	M
R2003		ERJ6GEYJ102	M
R2004		ERJ6GEYJ222	M
R2005		ERJ6GEYJ471	M
R2006		ERJ6GEYJ154	M
R2007		ERJ6GEYJ102	M
R2008		ERJ6GEYJ103	M
R2013-15		ERJ6GEYJ223	M
R2016		ERJ6GEYJ272	M
R2017,18		ERJ6GEYJ332	M
R2019		ERJ6GEYJ224	M
R2020		ERJ6GEYJ392	M
R2021		ERJ6GEYJ103	M
R2022		ERJ6GEYJ224	M
R2024		ERJ6GEYJ392	M
R2025,26		ERJ6GEYJ103	
R2027		ERJ6GEYJ821	
R2029		ERJ6GEYJ103	
R2030		ERJ6GEYJ104	
R2031		ERJ6GEYJ102	
R2032		ERJ6GEYJ473	
R2033		ERJ6GEYG103	
R2034		ERJ6GEYG241	
R2035		ERJ6GEYJ103	
R2036		ERJ6GEYJ182	
R2037		ERJ6GEYJ822	
R2038		ERJ6GEYJ102	
R2039		ERJ6GEYJ474	
R2040		ERJ6GEYJ473	
R2041		ERJ6GEYJ332	
R2042		ERJ6GEYJ103	
R2043		ERJ6GEYJ333	
R2044,45		ERJ6GEYJ102	
R2046,47		ERJ6GEYJ332	
R2048		ERJ6GEYJ222	
R2049		ERJ6GEYJ332	
R2050		ERJ6GEYJ474	
R2051		ERJ6GEYJ102	
R2054		ERJ6GEYJ103	

emarks

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6044-46		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	3	
C6048		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6049,50		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6051		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6052		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C6053		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6054		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6057		ECEA1ASS332	E.CAPACITOR 10V 3300U	1	
C6059,60		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C6061		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
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D1903,04		11EQS04	DIODE	2	<R>
D1905		MA151K	DIODE	1	<R>
D2001-04		MA151K	DIODE	4	<R>
D2005		MA723VT	DIODE	1	<R>
D2006		MA151K	DIODE	1	<R>
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D2010		MA4180M	DIODE	1	<R>
D2011,12		MA151K	DIODE	2	<R>
D2013		MA4130L	DIODE	1	<R>
D2014		MA151WA	DIODE	1	<R>
D2015,16		MA151K	DIODE	2	<R>
D2018-20		11EQS04	DIODE	3	<R>
D2021		MA3030-L	DIODE	1	<R>
D2022		MA719	DIODE	1	<R>
D2024		MA4062M	DIODE	1	<R>
D2025		MA151WK	DIODE	1	<R>
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D6003,04		MA151K	DIODE	2	<R>
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D6006		MA151WA	DIODE	1	<R>
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D6010-12		MA151K	DIODE	3	<R>
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D6017,18		MA151K	DIODE	2	<R>
D6019,20		11EQS04	DIODE	2	<R>
D6021		MA151K	DIODE	1	<R>
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IC2003		AN3726K	IC	1	<R>
IC2005		NJM2233BMA	IC	1	<R>
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IC2009		BA6435S	IC	1	<R>
IC2010		MN1280R	IC	1	<R>
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IC2012		AN3815K	IC	1	<R>
IC2013		LM393PS	IC	1	<R>
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IC2015		MC14013BF	IC	1	<R>
IC2016,17		LM393PS	IC	2	<R>
IC2018,19		TC7S02F	IC	2	<R>
IC2020		TC4W53F	IC	1	<R>
IC2021		M50927-531SP	IC	1	<R>
IC2022		TC7S08F	IC	1	<R>
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Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
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IC6005		M54649L	IC	1	<R>
IC6006		MN4019BS	IC	1	<R>
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J2010		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2012		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J6003,04		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L1901,02		ELC10E014	COIL	2	
L1903		VLQ0460	COIL	1	
L2001		VLQ0460	COIL	1	
L2002		VLQEL05K102J	COIL	1	
L2003-05		VLQ0460	COIL	3	
L2006-10		VLQEL05K221J	COIL	5	
L2011		VLQEL05K470J	COIL	1	
L2012-14		VLQ0460	COIL	3	
L6001		VLQEL05K471J	COIL	1	
L6002		VLQEL05K150J	COIL	1	
L6003-06		VLQEL05K221J	COIL	4	
L6007		VLQ0460	COIL	1	
P2001		VJP1230T	CONNECTOR (MALE)	1	
P2002		VJP1236T	CONNECTOR (MALE)	1	
P2003		VJP3078	CONNECTOR (MALE)	1	
P2004		VJP3083	CONNECTOR (MALE)	1	
P2201,02		VJR0477	PACK PIN	2	
P6001-03		VJS2123	CONNECTOR (FEMALE)	3	
P6004		VJP3078	CONNECTOR (MALE)	1	
P6005		VJP3079	CONNECTOR (MALE)	1	
P6006		VJP1232T	CONNECTOR (MALE)	1	
P6007		VJS2650A004Z	CONNECTOR (FEMALE)	1	
P6008		VJP1235T	CONNECTOR (MALE)	1	
P6009		VJP3079	CONNECTOR (MALE)	1	
P6010		VJP1230G	CONNECTOR (MALE)	1	
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Q2005		MSC2295-B	TRANSISTOR	1	<R>
Q2006-08		MSD601-R	TRANSISTOR	3	<R>
Q2010,11		MSD601-R	TRANSISTOR	2	<R>
Q6001		2SD638	TRANSISTOR	1	<R>
Q6002		MSB710-R	TRANSISTOR	1	<R>
Q6003,04		2SB819	TRANSISTOR	2	<R>
Q6005,06		MSD601-R	TRANSISTOR	2	<R>
Q6007		2SD636-R	TRANSISTOR	1	<R>
Q6009		MSB710-R	TRANSISTOR	1	<R>
Q6010-12		MSD601-R	TRANSISTOR	3	<R>
Q6013		2SB819	TRANSISTOR	1	<R>
Q6014,15		MSD601-R	TRANSISTOR	2	<R>
Q6016		2SB941	TRANSISTOR	1	<R>
Q6017		2SD1273	TRANSISTOR	1	<R>
Q6018		MSD601-R	TRANSISTOR	1	<R>
Q6024		2SD1273	TRANSISTOR	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
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QR2003		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2005-07		MRN1404	TRANSISTOR-RESISTOR	3	<R>
QR2012		MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR6001		MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR6002,03		MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR6004		DTA143XK	TRANSISTOR-RESISTOR	1	<R>
QR6006		MRN1402	TRANSISTOR-RESISTOR	1	<R>
QR6007		MRN1404	TRANSISTOR-RESISTOR	1	<R>
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QR6013		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR6014		UN2215	TRANSISTOR-RESISTOR	1	<R>
QR6015-18		MRN1404	TRANSISTOR-RESISTOR	4	<R>
QR6019,20		MRN2402	TRANSISTOR-RESISTOR	2	<R>
QR6021-24		MRN1404	TRANSISTOR-RESISTOR	4	<R>
QR6025		MRN2404	TRANSISTOR-RESISTOR	1	<R>
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R1903		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R1904,05		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	2	
R1906		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1907		ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R1908		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R1909		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1910		ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R1911		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R2001		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2002		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2003		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2004		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2005		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2006		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R2007		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2008		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2013-15		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	3	
R2016		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R2017,18		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R2019		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2020		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R2021		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2022		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2024		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R2025,26		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2027		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2029		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2030		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2031		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2033		ERJ6GEYG103	M.RESISTOR CH1/16W 10K	1	
R2034		ERJ6GEYG241	M.RESISTOR CH1/16W 240	1	
R2035		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2036		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R2037		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2038		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2039		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2040		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2041		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2042		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2043		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2044,45		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R2046,47		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R2048		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2049		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2050		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2051		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2054		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2056		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2057		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R2058		ERJ6GEYJ151	M.RESISTOR CH1/16W 150	1	
R2059		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2060		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2061,62		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	2	
R2063		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2064		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R2065		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2066		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2067		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2068		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R2069		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R2070		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2071,72		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	2	
R2073		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R2088		ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2089		ERJ6GEYG752	M.RESISTOR CH1/16W 7.5K	1	
R2090		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R2093		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2094,95		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	2	
R2096		ERX12SJR56	M.RESISTOR 1/2W 0.56	1	
R2097		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R2098		ERJ6GEYJ680	M.RESISTOR CH1/16W 68	1	
R2099-01		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2102,03		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	2	
R2104		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2105		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2106		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2107		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2108,09		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2110		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2112		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2113		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2116		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2119		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2120		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2121		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2122		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2123		ERJ6GEYJ124	M.RESISTOR CH1/16W 120K	1	
R2125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2127		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2128-30		ERJ6GEYG223	M.RESISTOR CH1/16W 22K	3	
R2131		ERJ6GEYG303	M.RESISTOR CH1/16W 30K	1	
R2132		ERJ6GEYG224	M.RESISTOR CH1/16W 220K	1	
R2133		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2134,35		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R2136		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2137		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R2138		ERJ6GEYJ124	M.RESISTOR CH1/16W 120K	1	
R2139		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2140		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2141		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2142		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2143,44		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2145-47		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	3	
R2148,49		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2151		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R2152		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2153		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2154		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2155		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6001		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R6004		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6005		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6006		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6007		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6008		ERDS1TJ153	C.RESISTOR 1/2W 15K	1	
R6009		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6010,11		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6012		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6013		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R6014		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6015		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6016		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6017		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6018		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6019,20		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6021		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6022		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6023		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6024		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6025		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6026,27		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	2	
R6028		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6029		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6030		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6031		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6033		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6034		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6035		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6036		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6037		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6038		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6039		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6040		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R6041		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6042		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6043,44		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	2	
R6045		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6046		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6047		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6048,49		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6050		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6051		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6052		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6053		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6054		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6055-58		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6060		ERJ6GEYJ181	M.RESISTOR CH1/16W 180	1	
R6061		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6062		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6063		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R6064		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R6065,66		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R6067-73		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	7	
R6074,75		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	2	
R6076		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6077		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6078		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6079		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6080		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R6081		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6082,83		ERG1SJ300	M.RESISTOR 1W 30	2	
R6084		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6085		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6086,87		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	2	
R6088		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6089		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R6090		ERDS1TJ2R2	C.RESISTOR 1/2W 2.2	1	
R6091,92		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6093		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6094		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6095-98		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6099		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R6100		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6101		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R6102		ERJ6GEYJ121	M.RESISTOR CH1/16W 120	1	
R6103		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6104,05		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6106		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6109		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6110		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6114		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6115		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6116		ERJ6GEYJ823	M.RESISTOR CH1/16W 82K	1	
R6117		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6118		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6119-27		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	9	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6131		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6132		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6133		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6134		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6135		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6136		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6137		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6138		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6139		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6140		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6141		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6144		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6151		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
SW6001		VSS0240	SWITCH	1	<R>
T6001		EIQ7QF002B	TRANSFORMER	1	
VR2001		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2003		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2201		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2202		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2203		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2204-06		EVMF6SA00B15	V.RESISTOR 100K	3	
VR2207		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2208		EVMF6SA00B23	V.RESISTOR 2K	1	
X1901		VSX0136	CRYSTAL OSCILLATOR	1	
X2001		VSX0296	CRYSTAL OSCILLATOR	1	
X2002		VSX0086	CRYSTAL OSCILLATOR	1	
X6001		VSX0230	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMC0075	HEAT SINK ANGLE	1	
		VMX0985	SPACER	2	
		VMZ0960	HEAT SINK BARRIER	1	
		VSC1068	HEAT SINK	1	
		VSC1689	HEAT SINK	1	
		VSC2761	SHIELD CASE (TOP)	1	
		VSC2763	SHIELD CASE (BOTTOM)	1	
		VSC3427	SHIELD CASE (MAIN)	1	
		XTV3+8F	SCREW	1	
		VKC0271	HINGE CLIP	2	
	■	VEP06848C	P.C.BOARD W/COMPONENT		FOR AG-7150E/B
			SERVO & SYSTEM CONTROL		
BAT6001		VSB0173	BATTRY	1	<R>
C1901,02		ECEA1EU331	E.CAPACITOR 25V 330U	2	
C1903		ECEA1VKA470	E.CAPACITOR 35V 47U	1	
C1904		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1905		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C1906		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C1907		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	1	
C1908-10		ECEA1HKA010	E.CAPACITOR 50V 1U	3	
C1911		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1912,13		ECEA1EU221	E.CAPACITOR 25V 220U	2	
C1914		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1915		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2001		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2002		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2003		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2004		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2005,06		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C2007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2008		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C2009		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C2010		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2011		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2015,16		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2017		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2018		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2019		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2020		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2022,23		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	2	
C2027		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2030		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2031		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2032		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2033		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2034		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2035		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2036		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2037,38		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2039		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2040,41		ECEA1CKA330	E.CAPACITOR 16V 33U	2	
C2042		ECEA10Z47	E.CAPACITOR 10V	1	
C2043,44		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	2	
C2045,46		ECQB1H472JF	P.CAPACITOR 50V 4700P	2	
C2047		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C2048		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C2049		ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	
C2050		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2051		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2052		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2053		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2054		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2055		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2057,58		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2059		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2060		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2061		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2062-64		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	3	
C2065		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2066-68		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	3	
C2069		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2070		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2071		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2072		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2073		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2074-76		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2077-79		ECQB1H332JF	P.CAPACITOR 50V 3300P	3	
C2080-82		ECQB1H333JF	P.CAPACITOR 50V 0.033U	3	
C2083		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2084		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2085,86		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2087		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2088		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2089		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2090		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2091		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2092		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2093		ECEA1CKA330	E.CAPACITOR 16V 33U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2094,95		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2096,97		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2098,99		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2100-06		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	7	
C2107		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2108,09		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C2110		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2111		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2113		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2114		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2115		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2116,17		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C2118		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2121		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2122		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2124-26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2127		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2128,29		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2130-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C6001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6002		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C6003		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6004-06		ECQB1H104JF	P.CAPACITOR 50V 0.1U	3	
C6007		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6009		ECEA1CU102B	E.CAPACITOR 16V 1000U	1	
C6010		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6011		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6012		ECEA1CU102B	E.CAPACITOR 16V 1000U	1	
C6014		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6015		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C6016,17		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C6018		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6019		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C6020		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C6021		ECEA1CN101	E.CAPACITOR 16V 100U	1	
C6022		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6023		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6024		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6025,26		ECEA1ASS332	E.CAPACITOR 10V 3300U	2	
C6027		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C6029		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C6030		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6032		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6033,34		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6035,36		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6037,38		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C6039		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6040		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6041		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6043		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6044-46		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	3	
C6048		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6049,50		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6051		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6052		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C6053		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6054		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6057		ECEA1ASS332	E.CAPACITOR 10V 3300U	1	
C6059,60		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C6061		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
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D2005		MA723VT	DIODE	1	<R>
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IC2016,17		LM393PS	IC	2	<R>
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J2004-08		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	5	
J2010		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2012		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J6003,04		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L1901,02		ELC10E014	COIL	2	
L1903		VLQ0460	COIL	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
L2001		VLQ0460	COIL	1	
L2002		VLQEL05K102J	COIL	1	
L2003-05		VLQ0460	COIL	3	
L2006-10		VLQEL05K221J	COIL	5	
L2011		VLQEL05K470J	COIL	1	
L2012-14		VLQ0460	COIL	3	
L6001		VLQEL05K471J	COIL	1	
L6002		VLQEL05K150J	COIL	1	
L6003-06		VLQEL05K221J	COIL	4	
L6007		VLQ0460	COIL	1	
P2001		VJP1230T	CONNECTOR (MALE)	1	
P2002		VJP1236T	CONNECTOR (MALE)	1	
P2003		VJP3078	CONNECTOR (MALE)	1	
P2004		VJP3083	CONNECTOR (MALE)	1	
P2201,02		VJR0477	CONNECTOR	2	
P6001-03		VJS2123	CONNECTOR (FEMALE)	3	
P6004		VJP3078	CONNECTOR (MALE)	1	
P6005		VJP3079	CONNECTOR (MALE)	1	
P6006		VJP1232T	CONNECTOR (MALE)	1	
P6007		VJS2650A004Z	CONNECTOR (FEMALE)	1	
P6008		VJP1235T	CONNECTOR (MALE)	1	
P6009		VJP3079	CONNECTOR (MALE)	1	
P6010		VJP1230G	CONNECTOR (MALE)	1	
P6011		VJP3078	CONNECTOR (MALE)	1	
P6012		VJP3080	CONNECTOR (MALE)	1	
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Q2001		2SD1275	TRANSISTOR	1	<R>
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Q2010,11		MSD601-R	TRANSISTOR	2	<R>
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Q6002		MSB710-R	TRANSISTOR	1	<R>
Q6003,04		2SB819	TRANSISTOR	2	<R>
Q6005,06		MSD601-R	TRANSISTOR	2	<R>
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Q6014,15		MSD601-R	TRANSISTOR	2	<R>
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QR2001		MRN1402	TRANSISTOR-RESISTOR	1	<R>
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QR6021-24		MRN1404	TRANSISTOR-RESISTOR	4	<R>
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QR6026-30		MRN1404	TRANSISTOR-RESISTOR	5	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R1901		ERQ12HJ3R9	F.RESISTOR 1/2W 3.9	1	
R1902		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R1903		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R1904,05		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	2	
R1906		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1907		ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R1908		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R1909		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1910		ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R1911		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R2001		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2002		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2003		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2004		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2005		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2006		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R2007		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2008		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2013-15		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	3	
R2016		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R2017,18		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R2019		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2020		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R2021		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2022		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2024		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R2025,26		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2027		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2029		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2030		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2031		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2033		ERJ6GEYG103	M.RESISTOR CH1/16W 10K	1	
R2034		ERJ6GEYG241	M.RESISTOR CH1/16W 240	1	
R2035		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2036		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R2037		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2038		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2039		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2040		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2041		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2042		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2043		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2044,45		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R2046,47		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R2048		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2049		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2050		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2051		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2054		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2056		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2057		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R2058		ERJ6GEYJ151	M.RESISTOR CH1/16W 150	1	
R2059		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2060		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2061,62		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	2	
R2063		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2064		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R2065		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2066		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2067		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2068		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R2069		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R2070		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2071,72		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	2	
R2073		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R2088		ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2089		ERJ6GEYG752	M.RESISTOR CH1/16W 7.5K	1	
R2090		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R2093		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2094,95		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	2	
R2096		ERX12SJR56	M.RESISTOR 1/2W 0.56	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2097		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R2098		ERJ6GEYJ680	M.RESISTOR CH1/16W 68	1	
R2099-01		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2102,03		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	2	
R2104		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2105		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2106		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2107		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2108,09		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2110		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2112		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2113		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2116		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2119		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2120		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2121		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2122		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2123		ERJ6GEYJ124	M.RESISTOR CH1/16W 120K	1	
R2125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2127		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2128-30		ERJ6GEYG223	M.RESISTOR CH1/16W 22K	3	
R2131		ERJ6GEYG303	M.RESISTOR CH1/16W 30K	1	
R2132		ERJ6GEYG224	M.RESISTOR CH1/16W 220K	1	
R2133		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2134,35		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R2136		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2137		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R2138		ERJ6GEYJ124	M.RESISTOR CH1/16W 120K	1	
R2139		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2140		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2141		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2142		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2143,44		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2145-47		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	3	
R2148,49		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2151		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R2152		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2153		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2154		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2155		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6001		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R6004		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6005		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6006		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6007		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6008		ERDS1TJ153	C.RESISTOR 1/2W 15K	1	
R6009		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6010,11		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6012		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6013		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R6014		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6015		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6016		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6017		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6018		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6019,20		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6021		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6022		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6023		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6024		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6025		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6026,27		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	2	
R6028		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6029		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6030		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6031		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6033		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6034		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6035		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6036		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6037		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6038		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6039		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6040		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6041		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6042		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6043,44		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	2	
R6045		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6046		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6047		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6048,49		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6050		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6051		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6052		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6053		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6054		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6055-58		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6060		ERJ6GEYJ181	M.RESISTOR CH1/16W 180	1	
R6061		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6062		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6063		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R6064		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R6065,66		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R6067-73		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	7	
R6074,75		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	2	
R6076		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6077		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6078		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6079		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6080		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R6081		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6082,83		ERG1SJ300	M.RESISTOR 1W 30	2	
R6084		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6085		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6086,87		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	2	
R6088		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6089		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R6090		ERDS1TJ2R2	C.RESISTOR 1/2W 2.2	1	
R6091,92		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6093		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6094		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6095-98		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6099		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R6100		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6101		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R6102		ERJ6GEYJ121	M.RESISTOR CH1/16W 120	1	
R6103		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6104,05		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6106		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6109		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6110		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6114		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6115		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6116		ERJ6GEYJ823	M.RESISTOR CH1/16W 82K	1	
R6117		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6118		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6119-27		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	9	
R6131		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6132		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6133		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6134		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6135		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6136		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6137		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6138		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6139		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6140		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6141		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6144		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6151		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
SW6001		VSS0240	SWITCH	1	<R>
T6001		EIQ7QF002B	TRANSFORMER	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
VR2001		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2003		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2201		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2202		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2203		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2204-06		EVMF6SA00B15	V.RESISTOR 100K	3	
VR2207		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2208		EVMF6SA00B23	V.RESISTOR 2K	1	
X1901		VSX0136	CRYSTAL OSCILLATOR	1	
X2001		VSX0296	CRYSTAL OSCILLATOR	1	
X2002		VSX0086	CRYSTAL OSCILLATOR	1	
X6001		VSX0230	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VMC0075	HEAT SINK ANGLE	1	
		VMX0985	SPACER	2	
		VMZ0960	HEAT SINK BARRIER	1	
		VSC1068	HEAT SINK	1	
		VSC1689	HEAT SINK	1	
		VSC2761	SHIELD CASE (TOP)	1	
		VSC2763	SHIELD CASE (BOTTOM)	1	
		VSC3427	SHIELD CASE (MAIN)	1	
		XTV3+8F	SCREW	1	
		VKC0271	HINGE CLIP	2	
	■	VEP06848D	P.C.BOARD W/COMPONENT		FOR AG-7355E/B
			SERVO & SYSTEM CONTROL		
BAT6001		VSB0173	BATTRY	1	
C1901,02		ECEA1EU331	E.CAPACITOR 25V 330U	2	
C1903		ECEA1VKA470	E.CAPACITOR 35V 47U	1	
C1904		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1905		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C1906		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C1907		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	1	
C1908-10		ECEA1HKA010	E.CAPACITOR 50V 1U	3	
C1911		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1912,13		ECEA1EU221	E.CAPACITOR 25V 220U	2	
C1914		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1915		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2001		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2002		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2003		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2004		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2005,06		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C2007		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2008		ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C2009		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C2010		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2011		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2013		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2015,16		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2017		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2018		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2019		ECEA1CKA100	E.CAPACITOR 16V 10U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2020		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2022,23		ECQV1H564JZ	P.CAPACITOR 50V 0.56U	2	
C2027		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C2028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2029		ECEA1CKN100	E.CAPACITOR 16V 10U	1	
C2030		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2031		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2032		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2033		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2034		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2035		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C2036		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2037,38		ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C2039		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2040,41		ECEA1CKA330	E.CAPACITOR 16V 33U	2	
C2042		ECEA10Z47	E.CAPACITOR 10V	1	
C2043,44		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	2	
C2045,46		ECQB1H472JF	P.CAPACITOR 50V 4700P	2	
C2047		ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C2048		ECEA1HKA3R3	E.CAPACITOR 50V 3.3U	1	
C2049		ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	
C2050		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2051		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2052		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2053		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2054		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2055		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2057,58		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2059		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2060		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2061		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2062-64		ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	3	
C2065		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2066-68		ECEA1EKN4R7	E.CAPACITOR 25V 4.7U	3	
C2069		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2070		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2071		ECEA1EU101	E.CAPACITOR 25V 100U	1	
C2072		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2073		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2074-76		ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2077-79		ECQB1H332JF	P.CAPACITOR 50V 3300P	3	
C2080-82		ECQB1H333JF	P.CAPACITOR 50V 0.033U	3	
C2083		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2084		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2085,86		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2087		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2088		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C2089		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2090		ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C2091		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2092		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C2093		ECEA1CKA330	E.CAPACITOR 16V 33U	1	
C2094,95		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2096,97		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	2	
C2098,99		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2100		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C2101-05		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	5	
C2106		ECUM1H332KBN	C.CAPACITOR CH 50V 3300P	1	
C2107		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2108,09		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C2110		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2111		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C2113		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2114		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2115		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2116,17		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	2	
C2118		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C2121		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2122		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2124-26		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2127		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C2128,29		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2130-32		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2150		ECKF1H561KB	C.CAPACITOR 50V 560P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6002		ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C6003		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6004-06		ECQB1H104JF	P.CAPACITOR 50V 0.1U	3	
C6007		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C6008		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6009		ECEA1CU102B	E.CAPACITOR 16V 1000U	1	
C6010		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6011		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C6012		ECEA1CU102	E.CAPACITOR 16V 1000U	1	
C6014		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6015		ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C6016,17		ECQB1H104JF	P.CAPACITOR 50V 0.1U	2	
C6018		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6019		ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C6020		ECEA1HKN010	E.CAPACITOR 50V 1U	1	
C6021		ECEA1CN101	E.CAPACITOR 16V 100U	1	
C6022		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6023		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6024		ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C6025,26		ECEA1ASS332	E.CAPACITOR 10V 3300U	2	
C6027		ECQV1H224JZ	P.CAPACITOR 50V 0.22U	1	
C6028		ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C6029		ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C6030		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6031		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6032		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6033,34		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6035,36		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6037,38		ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C6039		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6040		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C6041		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6043		ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C6044-46		ECUM1H271KBN	C.CAPACITOR CH 50V 270P	3	
C6048		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6049,50		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6051		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6052		ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	1	
C6053		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6054		ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C6056		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6057		ECEA1ASS332	E.CAPACITOR 10V 3300U	1	
C6059,60		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
D1901		MA4100M	DIODE	1	<R>
D1902		MA4110M	DIODE	1	<R>
D1903,04		11EQS04	DIODE	2	<R>
D1905		MA151K	DIODE	1	<R>
D2001-04		MA151K	DIODE	4	<R>
D2005		MA723VT	DIODE	1	<R>
D2006		MA151K	DIODE	1	<R>
D2008		MA151K	DIODE	1	<R>
D2009		MA151WA	DIODE	1	<R>
D2010		MA4180M	DIODE	1	<R>
D2011,12		MA151K	DIODE	2	<R>
D2013		MA4130L	DIODE	1	<R>
D2014		MA151WA	DIODE	1	<R>
D2015,16		MA151K	DIODE	2	<R>
D2018-20		11EQS04	DIODE	3	<R>
D2021		MA3030-L	DIODE	1	<R>
D2022		MA719	DIODE	1	<R>
D2024		MA4062M	DIODE	1	<R>
D2025		MA151WK	DIODE	1	<R>
D6001		11EQS04	DIODE	1	<R>
D6002		MA170	DIODE	1	<R>
D6003,04		MA151K	DIODE	2	<R>
D6005		10E1	DIODE	1	<R>
D6006		MA151WA	DIODE	1	<R>
D6007,08		MA151K	DIODE	2	<R>
D6009		11EQS04	DIODE	1	<R>
D6010-12		MA151K	DIODE	3	<R>
D6013		10E1	DIODE	1	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
D6014		MA151K	DIODE	1	<R>
D6017,18		MA151K	DIODE	2	<R>
D6019,20		11EQS04	DIODE	2	<R>
D6021		MA151K	DIODE	1	<R>
D6022		11EQS04	DIODE	1	<R>
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IC2016,17		LM393PS	IC	2	<R>
IC2018,19		TC7S02F	IC	2	<R>
IC2020		TC4W53F	IC	1	<R>
IC2021		M50927-531SP	IC	1	<R>
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IC6001		MC14093BF	IC	1	<R>
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J2001,02		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
J2004-08		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	5	
J2010		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2012		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J6003,04		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L1901,02		ELC10E014	COIL	2	
L1903		VLQ0460	COIL	1	
L2001		VLQ0460	COIL	1	
L2002		VLQEL05K102J	COIL	1	
L2003-05		VLQ0460	COIL	3	
L2006-10		VLQEL05K221J	COIL	5	
L2011		VLQEL05K470J	COIL	1	
L2012-14		VLQ0460	COIL	3	
L6001		VLQEL05K471J	COIL	1	
L6002		VLQEL05K150J	COIL	1	
L6003-06		VLQEL05K221J	COIL	4	
L6007		VLQ0460	COIL	1	
P2001		VJP1230T	CONNECTOR (MALE)	1	
P2002		VJP1236T	CONNECTOR (MALE)	1	
P2003		VJP3078	CONNECTOR (MALE)	1	
P2004		VJP3083	CONNECTOR (MALE)	1	
P2201,02		VJR0477	CONNECTOR	2	
P6001-03		VJS2123	CONNECTOR (FEMALE)	3	
P6004		VJP3078	CONNECTOR (MALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P6005		VJP3079	CONNECTOR (MALE)	1	
P6006		VJP1232T	CONNECTOR (MALE)	1	
P6007		VJS2650A004Z	CONNECTOR (FEMALE)	1	
P6008		VJP1235T	CONNECTOR (MALE)	1	
P6009		VJP3079	CONNECTOR (MALE)	1	
P6010		VJP1230G	CONNECTOR (MALE)	1	
P6011		VJP3078	CONNECTOR (MALE)	1	
P6012		VJP3080	CONNECTOR (MALE)	1	
Q1901		2SD1275	TRANSISTOR	1	<R>
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Q2001		2SD1275	TRANSISTOR	1	<R>
Q2004		MSD601-R	TRANSISTOR	1	<R>
Q2005		MSC2295-B	TRANSISTOR	1	<R>
Q2006-08		MSD601-R	TRANSISTOR	3	<R>
Q2010,11		MSD601-R	TRANSISTOR	2	<R>
Q6001		2SD638	TRANSISTOR	1	<R>
Q6002		MSB710-R	TRANSISTOR	1	<R>
Q6003,04		2SB819	TRANSISTOR	2	<R>
Q6005,06		MSD601-R	TRANSISTOR	2	<R>
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Q6009		MSB710-R	TRANSISTOR	1	<R>
Q6010-12		MSD601-R	TRANSISTOR	3	<R>
Q6013		2SB819	TRANSISTOR	1	<R>
Q6014,15		MSD601-R	TRANSISTOR	2	<R>
Q6016		2SB941	TRANSISTOR	1	<R>
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QR2001		MRN1402	TRANSISTOR-RESISTOR	1	<R>
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QR2012		MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR6001		MRN1403	TRANSISTOR-RESISTOR	1	<R>
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QR6021-24		MRN1404	TRANSISTOR-RESISTOR	4	<R>
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R1901		ERQ12HJ3R9	F.RESISTOR 1/2W 3.9	1	
R1902		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R1903		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R1904,05		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	2	
R1906		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1907		ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R1908		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R1909		ERX12SJR82	M.RESISTOR 1/2W 0.82	1	
R1910		ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R1911		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R2001		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2002		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2003		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2004		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2005		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2006		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R2007		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2008		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2013-15		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	3	
R2016		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R2017,18		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R2019		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2020		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R2021		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2022		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2024		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R2025,26		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2027		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2029		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2030		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2031		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2033		ERJ6GEYG103	M.RESISTOR CH1/16W 10K	1	
R2034		ERJ6GEYG241	M.RESISTOR CH1/16W 240	1	
R2035		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2036		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R2037		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2038		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2039		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2040		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2041		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2042		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2043		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2044,45		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R2046,47		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R2048		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2049		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2050		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2051		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2054		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2056		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2057		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R2058		ERJ6GEYJ151	M.RESISTOR CH1/16W 150	1	
R2059		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2060		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2061,62		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	2	
R2063		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2064		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R2065		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2066		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2067		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2068		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R2069		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R2070		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2071,72		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	2	
R2073		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R2088		ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2089		ERJ6GEYG752	M.RESISTOR CH1/16W 7.5K	1	
R2090		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R2093		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2094,95		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	2	
R2096		ERX12SJR56P	M.RESISTOR 1/2W 0.56	1	
R2097		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R2098		ERJ6GEYJ680	M.RESISTOR CH1/16W 68	1	
R2099-01		ERDS2TJ150	C.RESISTOR 1/4W 15	3	
R2102,03		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	2	
R2104		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2105		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2106		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2107		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2108,09		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2110		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2112		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2113		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2116		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2119		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2120		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2121		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2122		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2123		ERJ6GEYJ124	M.RESISTOR CH1/16W 120K	1	
R2125		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2127		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2128-30		ERJ6GEYG223	M.RESISTOR CH1/16W 22K	3	
R2131		ERJ6GEYG303	M.RESISTOR CH1/16W 30K	1	
R2132		ERJ6GEYG224	M.RESISTOR CH1/16W 220K	1	
R2133		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2134,35		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R2136		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R2137		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R2138		ERJ6GEYJ124	M.RESISTOR CH1/16W 120K	1	
R2139		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2140		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2141		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2142		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R2143,44		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2145-47		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	3	
R2148,49		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2151		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R2152		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2153		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2154		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2155		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6001		ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R6004		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6005		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6006		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6007		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6008		ERDS1TJ153	C.RESISTOR 1/2W 15K	1	
R6009		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6010,11		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6012		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6013		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R6014		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6015		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6016		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6017		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6018		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6019,20		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6021		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6022		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6023		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6024		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6025		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6026,27		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	2	
R6028		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6029		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6030		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R6031		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R6032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6033		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6034		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6035		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6036		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6037		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6038		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6039		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6040		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R6041		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6042		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6043,44		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	2	
R6045		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6046		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6047		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6048,49		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6050		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6051		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6052		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6053		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6054		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6055-58		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6060		ERJ6GEYJ181	M.RESISTOR CH1/16W 180	1	
R6061		ERD2FCVG220	C.RESISTOR 2W 22	1	
R6062		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6063		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R6064		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R6065,66		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R6067-73		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	7	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6074,75		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	2	
R6076		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6077		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6078		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6079		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R6080		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R6081		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R6082,83		ERG1SJ300	M.RESISTOR 1W 30	2	
R6084		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6085		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R6086,87		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	2	
R6088		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6089		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R6090		ERDS1TJ2R2	C.RESISTOR 1/2W 2.2	1	
R6091,92		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6093		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6094		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6095-98		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R6099		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R6100		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R6101		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R6102		ERJ6GEYJ121	M.RESISTOR CH1/16W 120	1	
R6103		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6104,05		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6106		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6109		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6110		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6114		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6115		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6116		ERJ6GEYJ823	M.RESISTOR CH1/16W 82K	1	
R6117		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6118		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6119-27		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	9	
R6131		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6132		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6133		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R6134		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6135		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6136		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6137		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6138		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6139		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R6140		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6141		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6144		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6151		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
SW6001		VSS0240	SWITCH	1	<R>
T6001		EIQ7QF002B	TRANSFORMER	1	
VR2001		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2003		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2201		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2202		EVMF6SA00B15	V.RESISTOR 100K	1	
VR2203		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2204-06		EVMF6SA00B15	V.RESISTOR 100K	3	
VR2207		EVMF6SA00B54	V.RESISTOR 50K	1	
VR2208		EVMF6SA00B23	V.RESISTOR 2K	1	
X1901		VSX0136	CRYSTAL OSCILLATOR	1	
X2001		VSX0296	CRYSTAL OSCILLATOR	1	
X2002		VSX0086	CRYSTAL OSCILLATOR	1	
X6001		VSX0230	CRYSTAL OSCILLATOR	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
			MISCELLANEOUS		
		VMC0075	HEAT SINK ANGLE	1	
		VMX0985	SPACER	2	
		VMZ0960	HEAT SINK BARRIER	1	
		VSC1068	HEAT SINK	1	
		VSC1689	HEAT SINK	1	
		VSC2761	SHIELD CASE (TOP)	1	
		VSC2763	SHIELD CASE (BOTTOM)	1	
		VSC3427	SHIELD CASE (MAIN)	1	
		XTV3+8F	SCREW	1	
		VKC0271	HINGE CLIP	2	
	■	VEP06749J	P.C.BOARD W/COMPONENT		FOR AG-7350E/B
			FRONT		
C6201		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C6202		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C6203		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6204		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C6205		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6206		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C6207		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C6208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6209		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C6210		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
C6211		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6212		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6213,14		ECEA0JKS101	E.CAPACITOR 6.3V 100U	2	
C6215		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6216		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6217		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
D6201-05		LN440YCPUVT	DIODE	5	<R>
D6206		MA151K	DIODE	1	<R>
D6207,08		LN31GCPHLG4	DIODE	2	<R>
D6209,10		LN440YCPUVT	DIODE	2	<R>
D6211		LN840RCP	DIODE	1	<R>
D6212-35		MA151K	DIODE	24	<R>
D6236,37		MA165VT	DIODE	2	<R>
D6238		MA4051-L	DIODE	1	<R>
D6239-41		MA151K	DIODE	3	<R>
D6243		MA151K	DIODE	1	<R>
D6244		LN440YCPUVT	DIODE	1	<R>
D6245-47		MA151K	DIODE	3	<R>
D6248		MA700A	DIODE	1	<R>
D6249		MA4300M	DIODE	1	<R>
D6250		MA165VT	DIODE	1	<R>
DP6201		VSL0254	DISPLAY TUBE	1	
IC6201		MN15283VSTL4	IC	1	<R>
IC6202		MN1220	IC	1	<R>
IC6203		MN1280R	IC	1	<R>
IC6204		MN1280L	IC	1	<R>
IC6205		AN78M05F	IC	1	<R>
L6201		VLQEL05K101J	COIL	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P6201-04		VJP3152	CONNECTOR (MALE)	4	
P6205		VJP3078	CONNECTOR (MALE)	1	
P6206		VJP1231T	CONNECTOR (MALE)	1	
P6207		VJP1236T	CONNECTOR (MALE)	1	
P6208		VJP1247T	CONNECTOR (MALE)	1	
P6209		VJP3093	CONNECTOR (MALE)	1	
Q6201-04		2SB643	TRANSISTOR	4	<R>
Q6205-09		2SD636	TRANSISTOR	5	<R>
Q6210		2SB642	TRANSISTOR	1	<R>
QR6201-05		MRN1404	TRANSISTOR-RESISTOR	5	<R>
QR6206		UN1112	TRANSISTOR-RESISTOR	1	<R>
QR6207		MRN1404	TRANSISTOR-RESISTOR	1	<R>
R6201-05		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6206		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6207-11		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6212-15		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6216-19		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	4	
R6220-23		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6224		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R6225		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R6226-33		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	8	
R6234		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6235		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6236		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6237		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R6238		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6239		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6240,41		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6242		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R6243		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6244		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6245		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6246		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6247,48		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6249		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6250		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6251		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
RA6201-04		EXBF5E103J	COMBI.R-R	4	
RA6205		EXBF5E473J	COMBI.R-R	1	
SW6201-17		EVQQJ104K	SWITCH	17	<R>
SW6218,19		VSS0324	SWITCH	2	<R>
SW6220		VSS0225	SWITCH	1	<R>
SW6221		VSS0152	SWITCH	1	<R>
SW6222		VSS0225	SWITCH	1	<R>
SW6223		VSS0324	SWITCH	1	<R>
SW6224,25		VSS0225	SWITCH	2	<R>
SW6226		VSS0324	SWITCH	1	<R>
SW6227		VSS0225	SWITCH	1	<R>
X6201		VSX0094	CRYSTAL OSCILLATOR	1	
X6202		VSX0140	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
		VJF0960	DISPLAY TUBE HOLDER	1	
		VMX2062	LED SPACER	2	
	■	VEP06749K	P.C.BOARD W/COMPONENT		FOR AG-7150E/B
			FRONT		
C6201		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C6202		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C6203		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6204		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C6205		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6206		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C6207		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C6208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6209		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C6210		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
C6211		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6212		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6213,14		ECEA0JKS101	E.CAPACITOR 6.3V 100U	2	
C6215		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6216		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6217		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
D6201-05		LN440YCPUVT	DIODE	5	<R>
D6206		MA151K	DIODE	1	<R>
D6207,08		LN31GCPHLG4	DIODE	2	<R>
D6209		LN440YCPUVT	DIODE	1	<R>
D6212-16		MA151K	DIODE	5	<R>
D6218-22		MA151K	DIODE	5	<R>
D6224-35		MA151K	DIODE	12	<R>
D6236,37		MA165VT	DIODE	2	<R>
D6238		MA4051-L	DIODE	1	<R>
D6239-41		MA151K	DIODE	3	<R>
D6244		LN440YCPUVT	DIODE	1	<R>
D6245-47		MA151K	DIODE	3	<R>
D6248		MA700A	DIODE	1	<R>
D6249		MA4300M	DIODE	1	<R>
D6250		MA165VT	DIODE	1	<R>
DP6201		VSL0254	DISPLAY TUBE	1	
IC6201		MN15283VSTL4	IC	1	<R>
IC6202		MN1220	IC	1	<R>
IC6203		MN1280R	IC	1	<R>
IC6204		MN1280L	IC	1	<R>
IC6205		AN78M05F	IC	1	<R>
J6203,04		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L6201		VLQEL05K101J	COIL	1	
P6201-04		VJP3152	CONNECTOR (MALE)	4	
P6205		VJP3078	CONNECTOR (MALE)	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
P6206		VJP1231T	CONNECTOR (MALE)	1	
P6207		VJP1236T	CONNECTOR (MALE)	1	
P6208		VJP1247T	CONNECTOR (MALE)	1	
Q6201-04		2SB643	TRANSISTOR	4	<R>
Q6205-09		2SD636	TRANSISTOR	5	<R>
Q6210		2SB642	TRANSISTOR	1	<R>
QR6201-05		MRN1404	TRANSISTOR-RESISTOR	5	<R>
QR6206		UN1112	TRANSISTOR-RESISTOR	1	<R>
QR6207		MRN1404	TRANSISTOR-RESISTOR	1	<R>
R6201-05		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6206		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6207-09		ERDS2TJ470	C.RESISTOR 1/4W 47	3	
R6212-15		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6216-19		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	4	
R6220-23		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6224		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R6225		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R6226-33		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	8	
R6234		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6235		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6236		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6237		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R6238		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6239		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6240,41		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6242		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R6243		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6245		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6246		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6247,48		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6249		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6250		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6251		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
RA6201-04		EXBF5E103J	COMBI.R-R	4	
RA6205		EXBF5E473J	COMBI.R-R	1	
SW6201		EVQQJ104K	SWITCH	1	<R>
SW6203-07		EVQQJ104K	SWITCH	5	<R>
SW6209-17		EVQQJ104K	SWITCH	9	<R>
SW6218		VSS0225	SWITCH	1	<R>
SW6220		VSS0225	SWITCH	1	<R>
SW6221		VSS0152	SWITCH	1	<R>
SW6222		VSS0225	SWITCH	1	<R>
SW6223		VSS0324	SWITCH	1	<R>
SW6224		VSS0225	SWITCH	1	<R>
SW6226		VSS0225	SWITCH	1	<R>
X6201		VSX0094	CRYSTAL OSCILLATOR	1	
X6202		VSX0140	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0960	DISPLAY TUBE HOLER	1	
		VMX2062	LED SPACER	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
	■	VEP06749L	P.C.BOARD W/COMPONENT		FOR AG-7355E/B
			FRONT		
C6201		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C6202		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C6203		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6204		ECEA1HKSR22	E.CAPACITOR 50V 0.22U	1	
C6205		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C6206		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C6207		ECEA0JU102	E.CAPACITOR 6.3V 1000U	1	
C6208		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6209		ECEA1CKS100	E.CAPACITOR 16V 10U	1	
C6210		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
C6211		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6212		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6213,14		ECEA0JKS101	E.CAPACITOR 6.3V 100U	2	
C6215		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C6216		ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C6217		ECEA1HKS220	E.CAPACITOR 50V 22U	1	
D6201-05		LN440YCPUVT	DIODE	5	<R>
D6206		MA151K	DIODE	1	<R>
D6207,08		LN31GCPHLG4	DIODE	2	<R>
D6209,10		LN440YCPUVT	DIODE	2	<R>
D6211		LN840RCP	DIODE	1	<R>
D6212-32		MA151K	DIODE	21	<R>
D6234,35		MA151K	DIODE	2	<R>
D6236,37		MA165VT	DIODE	2	<R>
D6238		MA4051-L	DIODE	1	<R>
D6239-41		MA151K	DIODE	3	<R>
D6242		MA165VT	DIODE	1	<R>
D6244		LN440YCPUVT	DIODE	1	<R>
D6245-47		MA151K	DIODE	3	<R>
D6248		MA700A	DIODE	1	<R>
D6249		MA4300M	DIODE	1	<R>
D6250		MA165VT	DIODE	1	<R>
DP6201		VSL0254	DISPLAY TUBE	1	
IC6201		MN15283VSTL4	IC	1	<R>
IC6202		MN1220	IC	1	<R>
IC6203		MN1280R	IC	1	<R>
IC6204		MN1280L	IC	1	<R>
IC6205		AN78M05F	IC	1	<R>
L6201		VLQEL05K101J	COIL	1	
P6201-04		VJP3152	CONNECTOR (MALE)	4	
P6205		VJP3078	CONNECTOR (MALE)	1	
P6206		VJP1231T	CONNECTOR (MALE)	1	
P6207		VJP1236T	CONNECTOR (MALE)	1	
P6208		VJP1247T	CONNECTOR (MALE)	1	
P6209		VJP3093	CONNECTOR (MALE)	1	
Q6201-04		2SB643	TRANSISTOR	4	<R>
Q6205-09		2SD636	TRANSISTOR	5	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q6210		2SB642	TRANSISTOR	1	<R>
QR6201-05		MRN1404	TRANSISTOR-RESISTOR	5	<R>
QR6206		UN1112	TRANSISTOR-RESISTOR	1	<R>
QR6207		MRN1404	TRANSISTOR-RESISTOR	1	<R>
R6201-05		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6206		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6207-11		ERDS2TJ470	C.RESISTOR 1/4W 47	5	
R6212-15		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6216-19		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	4	
R6220-23		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R6224		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R6225		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R6226-33		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	8	
R6234		ERDS2TJ152	C.RESISTOR 1/4W 1.5K	1	
R6235		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6236		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6237		ERDS2TJ223	C.RESISTOR 1/4W 22K	1	
R6238		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6239		ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R6240,41		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R6242		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
R6243		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6245		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6246		ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R6247,48		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6249		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6250		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R6251		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
RA6201-04		EXBF5E103J	COMBI.R-R	4	
RA6205		EXBF5E473J	COMBI.R-R	1	
SW6201-17		EVQQJ104K	SWITCH	17	<R>
SW6219		VSS0324	SWITCH	1	<R>
SW6220		VSS0225	SWITCH	1	<R>
SW6221		VSS0152	SWITCH	1	<R>
SW6222		VSS0225	SWITCH	1	<R>
SW6223		VSS0324	SWITCH	1	<R>
SW6224,25		VSS0225	SWITCH	2	<R>
SW6227		VSS0225	SWITCH	1	<R>
X6201		VSX0094	CRYSTAL OSCILLATOR	1	
X6202		VSX0140	CRYSTAL OSCILLATOR	1	
			MISCELLANEOUS		
		VJF0960	DISPLAY TUBE HOLDER	1	
		VMX2062	VMX2062	2	
	■	VEP04344D	P.C.BOARD W/COMPONENT		FOR AG-7350E/B
			REAR JACK		

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6901		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6902		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
J6901		VJS3155	CONNECTOR (FEMALE)	1	
J6902,03		VJS3154	CONNECTOR (FEMALE)	2	
J6904		VJS3155	CONNECTOR (FEMALE)	1	
J6905,06		VJS3154	CONNECTOR (FEMALE)	2	
J6907,08		VJJ0324	AUDIO JACK	2	
J6909-12		VJJ0323	AUDIO JACK	4	
P6901,02		VJP3152	CONNECTOR (MALE)	2	
P6903		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
P6903		VJP3152	CONNECTOR (MALE)	1	
P6905		VJP1230T	CONNECTOR (MALE)	1	
R6901-04		ERDS2TJ750	C.RESISTOR 1/4W 75	4	
R6905,06		ERDS2TJ103	C.RESISTOR 1/4W 10K	2	
	■	VEP04344E	P.C.BOARD W/COMPONENT		FOR AG-7150E/B
			REAR JACK		
C6903		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
J6903		VJS3154	CONNECTOR (FEMALE)	1	
J6904		VJS3155	CONNECTOR (FEMALE)	1	
J6905,06		VJS3154	CONNECTOR (FEMALE)	2	
J6909,10		VJJ0323	AUDIO JACK	2	
J6911,12		VJJ0322	MONITOR JACK	2	
P6901-03		VJP3152	CONNECTOR (MALE)	3	
P6905		VJP1230T	CONNECTOR (MALE)	1	
R6904		ERDS2TJ750	C.RESISTOR 1/4W 75	1	
R6906		ERDS2TJ103	C.RESISTOR 1/4W 10K	1	
	■	VEP04344F	P.C.BOARD W/COMPONENT		FOR AG-7355E/B
			REAR JACK		
C6901		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C6902,03		ECKF1H103ZF	C.CAPACITOR 50V 0.01U	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
J6901		VJS3155	CONNECTOR (FEMALE)	1	
J6902		VJS3154	CONNECTOR (FEMALE)	1	
J6904		VJS3155	CONNECTOR (FEMALE)	1	
J6905,06		VJS3154	CONNECTOR (FEMALE)	2	
J6907,08		VJJ0324	AUDIO JACK	2	
J6909,10		VJJ0323	AUDIO JACK	2	
J6912		VJJ0322	MONITOR JACK	1	
P6901-03		VJP3152	CONNECTOR (MALE)	3	
P6905		VJP1230T	CONNECTOR (MALE)	1	
R6901-03		ERDS2TJ750	C.RESISTOR 1/4W 75	3	
R6905,06		ERDS2TJ103	C.RESISTOR 1/4W 10K	2	
	■	VEP00R80B	P.C.BOARD W/COMPONENT		
			SEAVO TP		
P2203		VJP1236T	CONNECTOR (MALE) 9P	1	
P2205		VJP1230T	CONNECTOR (MALE) 3P	1	

Order No. VSD9310S228 (for NTSC)
VSD9310S682 (for PAL)
D1,D2

Service Manual

Supplement

PAL/NTSC Video Product

Subject: Change of Connector

Please use this supplement together with the Service Manual as follows:

Model No.	Bulletin No.	Order No.	Effective from
AG-7355-P/RP	19	VSD9110M212	Running Change
AG-7350-P	45	VSD9106M207	Running Change
AG-7150-P	44	VSD9106M207	Running Change
AG-7355-E/B	18	VSD9110M616	Running Change
AG-7350/7150-E/B	31	VSD9109M615	Running Change
AG-6730/6040-P	20	VSD9206M222	Running Change
AG-6760-P	13	VSD9210M227	Running Change
AG-6730-E	12	VSD9212M628	Running Change
AG-6040-E	11	VSD9209M625	Running Change

Board : REAR JACK & FRONT C.B.A.

Reason for Change
☐ The following part(s) has(have) been changed for serviceability improvement.
■ The following part(s) has(have) been changed for productivity improvement.
☐ The following part(s) has(have) been changed for standardization purpose.
☐ The following part(s) has(have) been changed for the safety regulation.
☐

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set Use original parts until exhausted, then stock new parts.	B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.	D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Other		

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
P6901-03	VJP3152	VJP3503	CONNECTOR	3	A	AG-7350 SERIES
P6201-04	VJP3152	VJP3503	CONNECTOR	4	A	AG-7350 SERIES
P6601-03	VJP3152	VJP3503	CONNECTOR	3	A	AG-6730 SERIES
P4901-04	VJP3152	VJP3503	CONNECTOR	4	A	AG-6730 SERIES

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Order No. VSD9504S634

Service Manual

Supplement

Video Product

Subject: Change of IC

Please use this supplement together with the Service Manual as follows:

Model No.	Bulletin No.	Order No.	Effective from
AG-6730E	27	VSD9212M628	D5 - - -
AG-7150-E/B	46	VSD9109M615	D5 - - -
AG-7350-E/B	46	VSD9109M615	D5 - - -
AG-7355-E/B	30	VSD9110M616	D5 - - -
AG-5700-E/B	15	VSD9202M619	D5 - - -

The following IC for the video circuit has been changed for durability improvement.

Interchangeability Code (I/C)

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C	New parts only may be used in early or late production sets.	D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Other		

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
IC3006	VEFH05BT	VCR0389	IC	1	C	Except AG-5700
IC3002	VEFH05BT	VCR0389	IC	1	C	Only AG-5700

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Order No. VSD9505S601

Service Manual

Supplement

Video Product

Subject: Y/C Timing Adjustment Range

Please use this supplement together with the Service Manual as follows:

Model No.	Bulletin No.	Order No.	Effective from
AG-7350-E/B	47	VSD9109M615	E5 - - -
AG-7355-E/B	31	VSD9110M616	E5 - - -
AG-7150-E/B	47	VSD9109M615	E5 - - -

Board : VIDEO 2

After completion of the Y/C timing adjustment (VR8007), the fine adjustment position of VR8007 drifted.
In order to prevent this symptom, coil L8010 has been added.
If the fine adjustment point of VR8007 drifts in a unit which has L8010, please remove L8010.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.	B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.	D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Other		

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
L8010	- - - - -	VLQEL05S681J	COIL 680UH	1	E	

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Order No. VSD9508S601

Service Manual

Supplement

Video Product

Subject :Expansion of Tracking Meter Level Adjustment Range

Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-7350-B/E	49	VSD9109M615	H5------
AG-7355-B/E	33	VSD9110M616	H5------

Board: Video 1

To widen the adjustment range of Tracking Meter Level, resistores R3126 and R3111 on the Video ! C.B.A. have been changed as shown below.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Others

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
R3126	ERJ6GEYJ223	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	A	
R3111	ERJ6GEYJ153	ERJ6GEYJ103	M.RESISTOR CH 1/10W 13K	1	A	

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Order No. VSD9605S207
D2, D4

Service Manual

Supplement

NTSC / PAL **Video Product**

Subject : Change of HEAD AMP C.B.A.

Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-MD830P	18	VSD9403M246	B5T
AG-MD830E	13	VSD9408M637	B5T
AG-7350-P	53	VSD9106M207	B5T
AG-7350RP	16	VSD9203M216	B5T
AG-7355-P	27	VSD9110M212	B5T
AG-7355RP	16	VSD9203M216	B5T
AG-7150-P	52	VSD9106M207	B5T
AG-7150-E/B	49	VSD9109M615	B5T
AG-7350-E/B	51	VSD9109M615	B5T
AG-7355-E/B	35	VSD9110M616	B5T
AG-6730P	35	VSD9206M222	B5T
AG-6730E	32	VSD9212M628	B5T
AG-6760P	24	VSD9210M227	B5T
AG-DS850P	77	VSD9403M244	B5T
AG-6045E	4	VSD9501M640	B5T

Board: HEAD AMP C.B.A.

The circuit board pattern has been changed for productivity, reliability and serviceability of the board.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Others

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions			Pcs	I/C	Remarks
R5040	ERDS2TJ151	ERDS2TJ221	C.RESISTOR	1/4W	220	1	D	AG-MD830P/E, 7350-P/RP/E/B, AG-7355-P/RP/E/B, 6760P
R5062	--------------	ERDS2TJ221	C.RESISTOR	1/4W	220	1	D	AG-MD830P/E, 7350-P/RP/E/B, AG-7355-P/RP/E/B, 6760P
R5070	ERDS2TJ472	--------------				0	E	AG-MD830P/E

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Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
R5070	ERDS2TJ472	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	D	AG-7350-P/RP/E/B,7355-P/RP/E/B
R5070	---------------	ERJ6GEY0R00	M.RESISTOR CH 0	1	E	AG-6760P
R5041	ERJ6GEYJ180	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	D	AG-7350-P/RP/E/B,7355-P/RP/E/B AG-6760P, AG-DS850P
R5060	---------------	ERJ6GEY0R00	M.RESISTOR CH 0	1	E	AG-7350-P/RP/E/B,7355-P/RP/E/B AG-6730P/E, 6760P
R5061	ERJ6GEY0R00	---------------		0	E	AG-6760P
Q5006	2SD1450	---------------		0	E	AG-6760P, 6045E
IC5003	---------------	2SD1450	TRANSISTOR	1	E	AG-6760P, 6045E
C5057	---------------	ERJ6GEY0R00	M.RESISTOR CH 0	1	E	AG-6760P
C5060	---------------	ERJ6GEY0R00	M.RESISTOR CH 0	1	E	AG-6760P
W5001	ERJ6GEY0R00	---------------	M.RESISTOR CH 0	1	E	AG-6760P

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Order No. VSD9607S203
D1, D4

Service Manual

Supplement

NTSC / PAL Video Product

Subject : Improvement of Bias Oscillation Circuit

Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-MD830P	19	VSD9403M246	F6-----
AG-7350P	61	VSD9106M207	F6-----
AG-7355P	35	VSD9110M212	F6-----
AG-MD830E/B	14	VSD9408M637	F6-----
AG-7350E/B	52	VSD9109M615	F6-----
AG-7355E/B	37	VSD9110M616	F6-----

Board : AUDIO

Symptom : Audio recording may not be performed correctly due to stopping of the bias oscillator.

Cause : Not enough ripple current.

Remedy : In order to improve this, capacitor (C4071) has been added as shown below.

Interchangeability Code (I/C)

A	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts possible then stock new parts.
C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Others

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
C4071	-------	ECEA1CU470	E.CAPACITOR 6.2V 47U	1	C	

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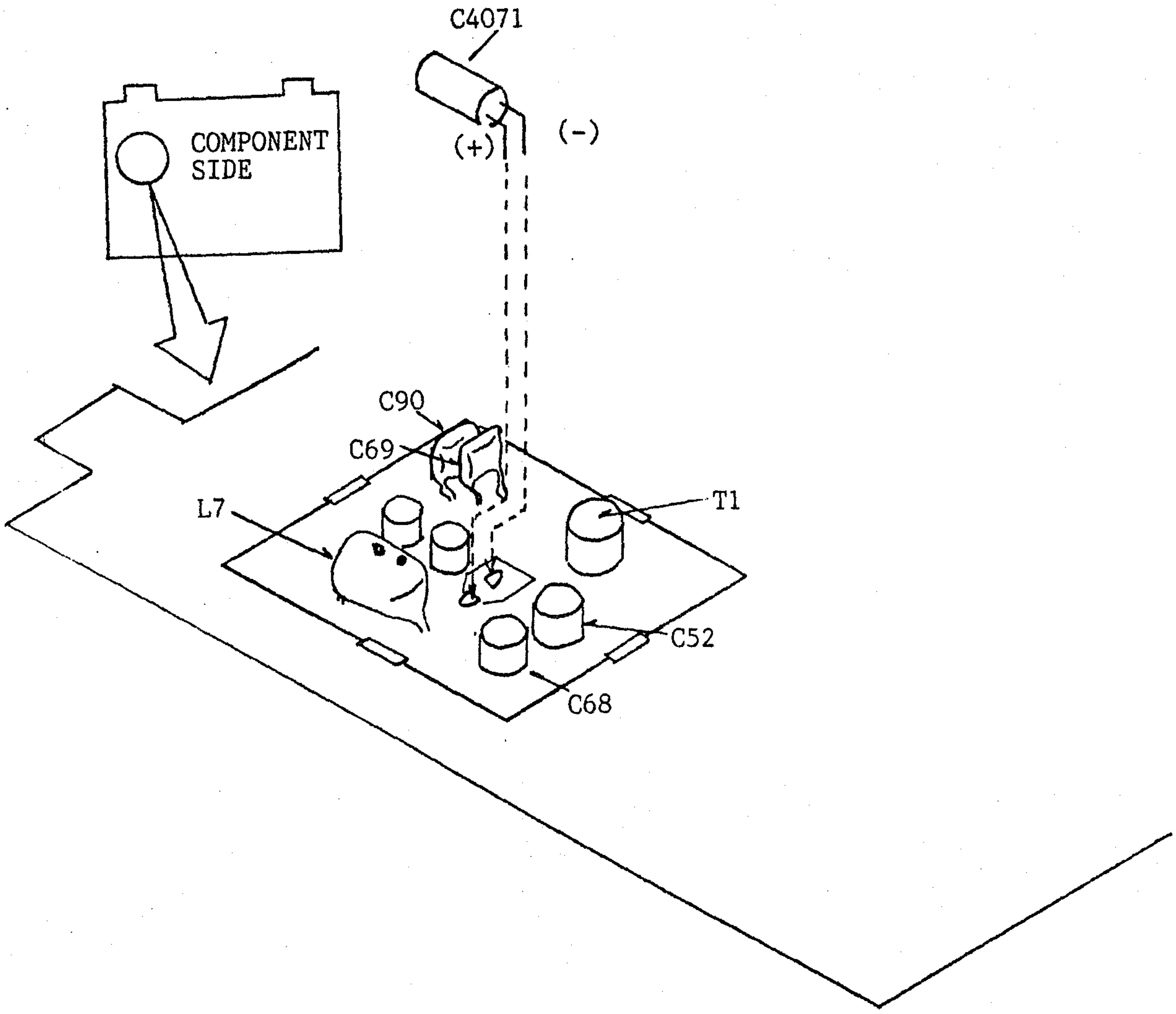
C4071
(+)
(-)
COMPONENT SIDE
C90
C69
L7
T1
C52
C68

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Order No. VSD9608S603
D

Service Manual

Supplement

Video Product

Subject : Change of Capacitor

Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-7150-E/B	50	VSD9109M615	A5----
AG-7350-E/B	53	VSD9109M615	A5----
AG-7355-E/B	38	VSD9110M616	A5----
AG-6040E	30	VSD9209M625	A5----
AG-6730E	34	VSD9212M628	A5----
AG-6045E	5	VSD9501M640	A5----
AG-5700-E	18	VSD9202M619	A5----
AG-MD830E	15	VSD9408M637	A5----
AG-6840HE/B	32	VSD9004M602	A5----
AG-6850H-E/B	32	VSD9006M603	A5----
AG-6124E/B	9	VSD9406M635	A5----
AG-5260E/B	9	VSD9404M633	A5----
AG-7600E	8	VSD9502M642	A5----
AG-7700E	12	VSD9502M642	A5----
AG-8600E	6	VSD9512M601	A5----
AG-8700E	6	VSD9512M601	A5----

Board: POWER

Reason for Change

- ☐ The following part(s) has(have) been changed for serviceability improvement.
- ☐ The following part(s) has(have) been changed for productivity improvement.
- ☐ The following part(s) has(have) been changed for standardization.
- ■ The following part(s) has (have) been changed for the safety regulation.
- ☐

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C	New parts only may be used in early or late production sets.
D	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
E	Others

Part Number

Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions	Pcs	I/C	Remarks
C1008	VCK0041	VCK0259K331A	CAPACITOR	1	C	AG-7150/7350/7355-E/B
C1045	VCK0041	VCK0259K331A	CAPACITOR	1	C	AG-7150/7350/7355-E/B
C1003-5	VCK0040	VCK0259K221A	CAPACITOR	3	C	AG-7150/7350/7355-E/B
C1005	VCK0046	VCK0260K222A	CAPACITOR	1	C	AG-6040/6730/6045E
C1010	VCK0046	VCK0260K222A	CAPACITOR	1	C	AG-6040/6730/6045E
C10038	VCK0046	VCK0260K222A	CAPACITOR	1	C	AG-6040/6730/6450E
C1001-3	VCC0046	VCK0260K222A	CAPACITOR	3	C	AG-6040/6730/6450E
C1006	VCC0046	VCK0260K222A	CAPACITOR	1	C	AG-6040/6730/6450E
C1036	VCC0046	VCK0260K222A	CAPACITOR	1	C	AG-6040/6730/6450E
C1037	VCC0024	VCK0262K222A	CAPACITOR	1	C	AG-6040/6730/6450E
C1002-3	VCK0083	VCK0260M332A	CAPACITOR	2	C	AG-MD830E/B
C1004-5	VCK0043	VCK0259M102A	CAPACITOR	2	C	AG-MD830E/B
C1102-5	VCK0083	VCK0260M332A	CAPACITOR	4	C	AG-5700-E
C1003-4	VCK0046	VCK0260K222A	CAPACITOR	2	C	AG-6840H/6850HE
C1005	VCK0046	VCK0260K222A	CAPACITOR	1	C	AG-6840H/6850HE
C1027-28	VCK0045	VCK0260K152A	CAPACITOR	2	C	AG-6840H/6850HE
C1029	VCK0045	VCK0260K152A	CAPACITOR	1	C	AG-6840H/6850HE
C1010	VCC0024	VCK0262M222A	CAPACITOR	1	C	AG-5260E/B
C1011	VCC0046	VCK0260M222A	CAPACITOR	1	C	AG-5210E/B
C1012	VCC0046	VCK0260M222A	CAPACITOR	1	C	AG-5210E/B
C1010	VCC0024	VCK0262M222A	CAPACITOR	1	C	AG-6124/5260E/B
C1011-12	VCK0046	VCK0260M222A	CAPACITOR	2	C	AG-6124/5260E/B
C1001	VCC0024	VCK0262M222A	CAPACITOR	1	C	AG-6124/5260E/B
C1002-3	VCC0046	VCK0260M222A	CAPACITOR	2	C	AG-6124/5260E/B
C004	VCC0024	VCK0262M222A	CAPACITOR	1	C	AG-6124/5260E/B
C1005-6	VCC0046	VCK0260M222A	CAPACITOR	2	C	AG-6124/5260E/B
C1001-2	VCK0083	VCK0260M332A	CAPACITOR	2	C	AG-7600/7700/8600/8700E
C1004-5	VCK0044	VCK0260M102A	CAPACITOR	2	C	AG-7600/7700/8600/8700E